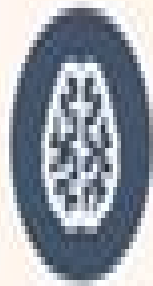




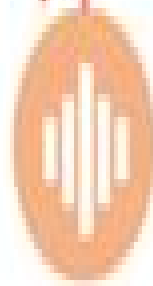
ARTIFICIAL INTELLIGENCE

Major breakthroughs
in the last 10 years



Machine Learning

- Predictive models
- Deep learning
- Reinforced learnings



Speech

- Text to speech
- Speech to text



Vision

- Machine vision
- Image recognition



NLP (Natural Language Processing)

- Translation
- Information extraction



Robotics



Other

- Expert systems
- Planning, scheduling and optimisation

Products

Learning plans

Ai Overview This Month Tutorial

Michał Kornacki,Paulina Pietrzak



Ai Overview This Month Tutorial:

AI Prompts Master Guide: 2000+ Ready-to-Use Prompts for Every Creator, Founder & Professional Shreekant Pratap Singh, 2025-11-07 Welcome to the AI revolution powered by your words This book isn't about theory it's about action Inside AI Prompts Master Guide you'll find 2 000 proven prompts that unlock the full potential of tools like ChatGPT Gemini Midjourney Notion Zapier Canva and more helping you create automate and earn like never before Each section of this eBook is designed to make you think act and build faster with AI no coding required What You'll Get Inside 2 000 categorized prompts for content creation marketing design business automation research Step by step templates for writing branding video and presentation generation Prompts to build full workflows in Notion Zapier Make and Google Sheets Real world business monetization and AI education blueprints Bonus section with 50 daily practice prompts 25 free AI tools for 2025 Who This Book Is For Creators Influencers who want to build viral content and boost engagement Entrepreneurs Founders looking to scale with AI powered workflows Students Educators aiming to learn or teach prompt engineering Freelancers Professionals ready to earn online with AI skills Why You Need This AI isn't replacing you it's amplifying you The person who knows how to talk to AI will always stay ahead Each prompt in this guide is like a digital switch turn it on and your ideas become output instantly The era of coding is over The era of prompting has begun Transform your creativity speed up your workflow and join the new class of AI native creators one prompt at a time ABOUT THE AUTHOR Shreekant Pratap Singh Gen AI Subject Matter Expert Founder Director Technosys IT Management Pvt Ltd With 10 years of expertise in Sales Business Development and AI Automation Shreekant has built multiple ventures across technology solar energy marketing and creative production He has trained teams designed lead generation systems and developed AI driven solutions that empower entrepreneurs worldwide Known for his practical easy to apply AI frameworks Shreekant helps individuals and brands turn AI from a tool into a growth engine Blog www.technosysblogs.com **Artificial Intelligence in Education. Posters and Late Breaking Results, Workshops and Tutorials, Industry and Innovation Tracks, Practitioners, Doctoral Consortium and Blue Sky** Andrew M. Olney, Irene-Angelica Chounta, Zitao Liu, Olga C. Santos, Ig Ibert Bittencourt, 2024-07-01 This volume constitutes poster papers and late breaking results presented during the 25th International Conference on Artificial Intelligence in Education AIED 2024 which took place in Recife Brazil during July 8 12 2024 The 18 full papers and 92 short papers were carefully reviewed and selected from 200 submissions They are organized in topical sections as follows Part One Blue Sky Industry Innovation and Practitioner Wide AIED and Late Breaking Results Part Two Late Breaking Results Doctoral Consortium Workshops and Tutorials **From Street-smart to Web-wise®** Al Marcella, Brian Moore, Madeline Parisi, 2025-10-16 Our seventh and eighth graders are now officially teens and online activities are second nature From Street smart to Web wise A Cyber Safety Training Manual Built for Teachers and Designed for Children isn't just another book Teachers will find this book to be a road map to navigate the digital landscape safely with

confidence and care as their critical job of ensuring students safety in a digital world expands Dive into engaging content that illuminates the importance of cyber safety not only in our classrooms but extending into the global community Written by authors who are recognized experts in their respective fields this accessible manual is a timely resource for educators Each chapter is filled with practical examples and teacher tips stimulating discussion points and ready to use lesson plans tailored for students in seventh and eighth grades Regardless of your technology skill level this book will provide you with the guidance and the tools you need to make student cyber safety awareness practical fun and impactful Parents consider educators their partners in creating cyber secure spaces This book stands as a framework of commitment to that partnership whether you are in a middle school environment or in a child serving agency It confirms proactive steps in equipping our young learners with the awareness and skills they need to tread the digital world securely By choosing From Street smart to Web wise A Cyber Safety Training Manual Built for Teachers and Designed for Children you position yourself at the forefront of educational guardianship championing a future where our children can explore learn and grow online without fear Join us on this journey to empower the next generation one click at a time

Artificial Intelligence in Vocational Education and Training Selena Chan, 2025-05-30 This book details a series of studies across several levels of learning and vocational education and training VET discipline areas In the main the advent of natural language AI chatbots exemplified by ChatGPT has caused the educational sector to take on a defensive stance Both schools and the higher education sector are engaged in an on going arms race to prevent learners from using AI to augment assessments Therefore there has been a focus on plagiarism prevention rather than to better understand the potentialities for utilizing AI to support better learning This book explores the collaborative development and planning between educational developers learning designers and teachers to design learning activities which could leverage off various artificial intelligence AI platforms In doing support is provided for effective learning to be undertaken with an emphasis on the learning and application of critical thinking skills The studies presented through the volume describe the integration of AI literacy to support learners in evaluating the relevance and efficacy of AI tools and platforms and to understand how to best utilize these for specific purposes This book also synthesizes a framework for the introduction selection and implementation of AI into the VET curriculum It showcases recommendations and guidelines to inform the future integration of AI tools platforms into the VET curriculum Artificial Intelligence in Education. Posters and Late Breaking Results, Workshops and Tutorials, Industry and Innovation Tracks, Practitioners, Doctoral Consortium, Blue Sky, and WideAIED Alexandra I. Cristea, Erin Walker, Yu Lu, Olga C. Santos, Seiji

Isotani, 2025-07-23 This three volume set CCIS 2590 2592 constitutes poster papers and late breaking results workshops and tutorials practitioners industry and policy track doctoral consortium blue sky and wideAIED papers presented at the 26th International Conference on Artificial Intelligence in Education AIED 2025 held in Palermo Italy during July 22 26 2025 The 72 full papers and 73 short papers 72 of them presented as posters presented in this book were carefully reviewed and

selected from 296 submissions They are organized in topical sections as follows Part I BlueSky Practitioners Industry and Policy WideAIED Doctoral Consortium Part II Late Breaking Results Part III Late Breaking Results Workshops and Tutorials

The Definitive Guide to Google Vertex AI Jasmeet Bhatia,Kartik Chaudhary,2023-12-29 Implement machine learning pipelines with Google Cloud Vertex AI Key Features Understand the role of an AI platform and MLOps practices in machine learning projects Get acquainted with Google Vertex AI tools and offerings that help accelerate the creation of end to end ML solutions Implement Vision NLP and recommendation based real world ML models on Google Cloud Platform Purchase of the print or Kindle book includes a free PDF eBook Book DescriptionWhile AI has become an integral part of every organization today the development of large scale ML solutions and management of complex ML workflows in production continue to pose challenges for many Google s unified data and AI platform Vertex AI directly addresses these challenges with its array of MLOPs tools designed for overall workflow management This book is a comprehensive guide that lets you explore Google Vertex AI s easy to advanced level features for end to end ML solution development Throughout this book you ll discover how Vertex AI empowers you by providing essential tools for critical tasks including data management model building large scale experimentations metadata logging model deployments and monitoring You ll learn how to harness the full potential of Vertex AI for developing and deploying no code low code or fully customized ML solutions This book takes a hands on approach to developing u deploying some real world ML solutions on Google Cloud leveraging key technologies such as Vision NLP generative AI and recommendation systems Additionally this book covers pre built and turnkey solution offerings as well as guidance on seamlessly integrating them into your ML workflows By the end of this book you ll have the confidence to develop and deploy large scale production grade ML solutions using the MLOps tooling and best practices from Google What you will learn Understand the ML lifecycle challenges and importance of MLOps Get started with ML model development quickly using Google Vertex AI Manage datasets artifacts and experiments Develop no code low code and custom AI solution on Google Cloud Implement advanced model optimization techniques and tooling Understand pre built and turnkey AI solution offerings from Google Build and deploy custom ML models for real world applications Explore the latest generative AI tools within Vertex AI Who this book is for If you are a machine learning practitioner who wants to learn end to end ML solution development on Google Cloud Platform using MLOps best practices and tools offered by Google Vertex AI this is the book for you

Artificial Intelligence in Education. Posters and Late Breaking Results, Workshops and Tutorials, Industry and Innovation Tracks, Practitioners, Doctoral Consortium and Blue Sky Ning Wang,Genaro Rebolledo-Mendez,Vania Dimitrova,Noboru Matsuda,Olga C. Santos,2023-06-29 This volume constitutes poster papers and late breaking results presented during the 24th International Conference on Artificial Intelligence in Education AIED 2023 Tokyo Japan July 3 7 2023 The 65 poster papers presented were carefully reviewed and selected from 311 submissions This set of posters was complemented with the other poster contributions submitted for the Poster and Late

Breaking results track of the AIED 2023 conference AI in Education: A step-by-step Guide for Teachers and Students Mr. Jawahar Sri Prakash Thiyagarajan, (Neuroscience, UK), Dr. Jeyashree Swaminathan, M.A., M.Ed., MLIS, M.Phil., Ph.D., Dr. Thiyagarajan Sivaprakasam, M.Sc., Ph.D., 2024-10-15 AI in Education A Step by Step Guide for Teachers and Students is an essential resource for educators and students seeking to understand and implement artificial intelligence AI in modern educational settings This book provides a comprehensive exploration of AI concepts including machine learning neural networks and deep learning and their practical applications in the classroom Designed with both teachers and learners in mind the guide covers a wide range of topics Fundamentals of AI An introduction to AI its subfields and real world applications that enhance educational experiences AI Powered Tools Step by step guidance on using AI tools such as generative AI image recognition and personalized learning platforms Ethical Considerations A thoughtful examination of the ethical implications of AI in education focusing on fairness transparency and privacy Hands on Exercises Practical activities and scenario based examples that help educators and students apply AI in teaching and learning environments Future Trends Insights into the future of AI in education from AI driven lesson planning to adaptive learning technologies Whether you re an educator looking to enrich your teaching methods or a student eager to explore AI s potential this book offers the tools techniques and knowledge needed to navigate the evolving landscape of AI in education **Innovations in Teaching and Learning for Health Professions Educators** Roger Edwards, Bobbie Ann Adair White ,Ardi Findyartini, 2025-06-02 The health professions continue to evolve and change rapidly as more opportunities and challenges emerge Hence health professions educators are required to be adaptive and nimble in their creation and adoption of teaching and learning innovations These innovations have included teaching with technologies like virtual reality gamification online applications and artificial intelligence Innovations also include know how such as emotional intelligence and ways of approaching the learning process through student centered learning experiences grounded in the cognitive science of learning Scholarship related to identification of the best uses of different innovations is difficult The same innovations have proven to be engaging in some contexts and burdensome in others Additionally simulation based education continues to incorporate innovations in how health professions educators are taught with more focus on effectiveness of the simulation educator including applications with distance simulation Training and development for health professions and simulation educators is becoming more formalized yet gaps on effectiveness of training and development efforts persist Faculty effectiveness especially as it relates to educational innovation adoption is difficult to measure and demonstration of related competencies is in its infancy The goal of this Research Topic is to bring together state of the art examples of scholarship in health professions education related to the awareness and appropriate adoption of innovation which is broadly defined as an idea practice technology and know how Evidence about the current state of emerging innovations effectiveness of innovations and evidence about the competencies needed for teaching in our evolving environments are all areas of interest for this collection All types of

scholarship can support this focus including analyses based on primary quantitative and qualitative data collection secondary data analyses literature reviews and methodological infrastructure tool development Additionally scholarship investigating how these innovations have influenced health professions educators including their training and development is part of the goal of the collection The scope of this collection covers any innovations that are applicable to professional development and implementation for health professions educators More specifically we invite scholarship related to how educators prepare themselves for meeting the needs of their students given the changing roles and innovations available to both faculty and students across learning environments worldwide Examples of topics of interest include Analyses of innovation related to the evolving roles of health professions educators Reviews of educational innovation adoption by health professions education faculty especially related to artificial intelligence linked applications Exploring factors associated with professional development training and effective educational innovation adoption by faculty Simulation based educational innovation applications for faculty development Faculty innovation in resource constrained environments in low and middle income countries Methodological challenges associated with studying educational innovations by faculty in health professions education and critical research needs associated with generating and evaluating educational innovations Methodological considerations associated with health professions education faculty competencies Theoretically focused analyses are welcome as long as they are linked to applications

The AI Revolution: How Artificial Intelligence Will Reshape Our Lives, Careers, and Future Rick Spair, Welcome to The AI Revolution How Artificial Intelligence Will Reshape Our Lives Careers and Future a comprehensive exploration of one of the most transformative technologies of our time Artificial Intelligence AI is not just a buzzword or a distant futuristic concept it is a reality that is rapidly reshaping every facet of our lives From the way we communicate work and learn to how we address global challenges AI is at the forefront of innovation and change As you delve into this book you will embark on a journey through the history development and profound impact of AI We will explore the foundational concepts that underpin AI technologies demystify the jargon that often surrounds this field and provide a clear understanding of how AI works More importantly we will examine the real world applications of AI across various sectors highlighting the benefits and challenges that come with integrating AI into our daily lives The narrative will take you through the corridors of healthcare where AI is revolutionizing diagnostics and treatment into the financial world where it is enhancing fraud detection and customer service and onto the roads where autonomous vehicles are becoming a reality You will see how AI is personalizing education transforming entertainment and optimizing retail experiences Each chapter is designed to provide insights into how AI is currently being utilized and the future possibilities it holds Beyond the technological advancements this book delves into the ethical considerations and societal impacts of AI We will discuss the moral dilemmas privacy concerns and the need for transparency and accountability in AI development Understanding these aspects is crucial for fostering a responsible AI ecosystem that benefits all of humanity In the chapters

dedicated to the future of work you will learn about the skills and competencies required in an AI driven job market We will explore the opportunities and challenges posed by job automation and the importance of continuous learning and adaptability This book aims to equip you with the knowledge to navigate and thrive in a rapidly changing world We will also address the vital role of individuals businesses and governments in shaping the future of AI From fostering innovation and ensuring ethical practices to promoting inclusivity and equity the collective efforts of all stakeholders are essential for creating a balanced and beneficial AI landscape The AI Revolution How Artificial Intelligence Will Reshape Our Lives Careers and Future is not just an academic discourse but a call to action It encourages readers to engage with AI positively responsibly and proactively As we stand on the brink of this technological revolution it is imperative to understand its implications and harness its potential to create a better more equitable world Join us as we explore the fascinating world of AI understand its transformative power and envision a future where technology and humanity coexist harmoniously for the greater good

Responsible AI CSIRO, Qinghua Lu, Liming Zhu, Jon Whittle, Xiwei Xu, 2023-12-08 THE FIRST PRACTICAL GUIDE FOR OPERATIONALIZING RESPONSIBLE AI FROM MULTI LEVEL GOVERNANCE MECHANISMS TO CONCRETE DESIGN PATTERNS AND SOFTWARE ENGINEERING TECHNIQUES AI is solving real world challenges and transforming industries Yet there are serious concerns about its ability to behave and make decisions in a responsible way Operationalizing responsible AI is about providing concrete guidelines to a wide range of decisionmakers and technologists on how to govern design and build responsible AI systems These include governance mechanisms at the industry organizational and team level software engineering best practices architecture styles and design patterns system level techniques connecting code with data and models and trade offs in design decisions Responsible AI includes a set of practices that technologists for example technology conversant decision makers software developers and AI practitioners can undertake to ensure the AI systems they develop or adopt are trustworthy throughout the entire lifecycle and can be trusted by those who use them The book offers guidelines and best practices not just for the AI part of a system but also for the much larger software infrastructure that typically wraps around the AI First book of its kind to cover the topic of operationalizing responsible AI from the perspective of the entire software development life cycle Concrete and actionable guidelines throughout the lifecycle of AI systems including governance mechanisms process best practices design patterns and system engineering techniques Authors are leading experts in the areas of responsible technology AI engineering and software engineering Reduce the risks of AI adoption accelerate AI adoption in responsible ways and translate ethical principles into products consultancy and policy impact to support the AI industry Online repository of patterns techniques examples and playbooks kept up to date by the authors Real world case studies to demonstrate responsible AI in practice Chart the course to responsible AI excellence from governance to design with actionable insights and engineering prowess found in this definitive guide *Google Cloud Digital Leader Certification Guide* Bruno Beraldo Rodrigues, 2024-03-15 Gain the expertise needed for the Google Cloud

Digital Leader certification with the help of industry insights effective testing strategies and exam questions designed to help you make informed tech decisions aligned with business goals

Key Features

- Learn about data management AI monetization security and the significance of infrastructure modernization
- Build a solid foundation in Google Cloud covering all technical essentials necessary for a Google Cloud Digital Leader Test
- your knowledge of cloud and digital transformation through realistic exam questions
- Purchase of the print or Kindle book includes a free PDF eBook

Book Description

To thrive in today's world leaders and technologists must understand how technology shapes businesses As organizations shift from self hosted to cloud native solutions embracing serverless systems strategizing data use and defining monetization becomes imperative The Google Cloud Digital Leader Certification Guide lays a solid foundation of industry knowledge focused on the Google Cloud platform and the innovative ways in which customers leverage its technologies The book starts by helping you grasp the essence of digital transformation within the Google Cloud context You'll then cover core components of the platform such as infrastructure and application modernization data innovation and best practices for environment management and security With a series of practice exam questions included this book ensures that you build comprehensive knowledge and prepare to certify as a Google Cloud Digital Leader

Going beyond the exam essentials you'll also explore how companies are modernizing infrastructure data ecosystems and teams in order to capitalize on new market opportunities through platform expertise best practices and real world scenarios By the end of this book you'll have learned everything you need to pass the Google Cloud Digital Leader certification exam and have a reference guide for future requirements

What you will learn

- Leverage Google Cloud's AI and ML solutions to create business value
- Identify Google Cloud solutions for data management and smart analytics
- Acquire the skills necessary to modernize infrastructure and applications on GCP
- Understand the value of APIs and their applications in cloud environments
- Master financial governance and implement best practices for cost management
- Understand the cloud security approach and benefits of Google Cloud security
- Find out how IT operations must adapt to thrive in the cloud

Who this book is for

This Google Cloud fundamentals book is suitable for individuals with both technical and non technical backgrounds looking for a starting point to pursue more advanced Google Cloud certifications No prior experience is required to get started with this book only a keen interest in learning and exploring cloud concepts with a focus on Google Cloud

Dermatology Training Mahbub M. U. Chowdhury, Tamara W. Griffiths, Andrew Y.

Finlay, 2022-04-18

Dermatology Training The Essentials helps readers understand what is required to work effectively in a demanding clinical dermatology training programme Developed by the British Association of Dermatologists and British College of Dermatology this accessible textbook covers all key themes outlined in the 2021 Joint Royal Colleges of Physicians Training Board JRCPTB curriculum The fundamentals of professional development clinical practice general dermatology therapeutics and procedural dermatology and specialist areas of dermatology relevant to all UK and international trainees and healthcare professionals are addressed in 29 reader friendly chapters Throughout this highly practical textbook the

expert authors provide tips and advice for handling common clinical situations developing leadership skills getting into research and gaining surgical experience as well as key pearls and pitfalls The book contains over 70 Specialty Certificate Exam SCE questions to assist in exam preparation and includes contributions from current trainees that offer real insights into day to day dermatology training A must have for all those involved in the dermatology training process including educational supervisors this textbook Provides detailed descriptions of the key themes that trainees in dermatology need to understand Features over 500 clinical images tables and figures including disease presentations in various skin types and highlights relevant issues relating to skin diversity Aligns with the new Capabilities in Practice CiPs assessment tool which evaluates the trainee s ability to deliver and perform in the workplace Dermatology Training The Essentials is highly recommended reading for all trainees in dermatology doctors taking the Certificate for Eligibility for Specialist Registration CESR route to accreditation in dermatology general practitioners training for an Extended Role GPwER and junior doctors and medical students considering a career in dermatology

Hybrid Workflows in Translation Michał Kornacki,Paulina Pietrzak,2024-09-09 This concise volume serves as a valuable resource on understanding the integration and impact of generative AI GenAI and evolving technologies on translation workflows As translation technologies continue to evolve rapidly translation scholars and practicing translators need to address the challenges of how best to factor AI enhanced tools into their practices and in translator training programs The book covers a range of AI applications including AI powered features within Translation Management Systems AI based machine translation AI assisted translation language generation modules and language checking tools The volume puts the focus on using AI in translation responsibly and effectively but also on ways to support students and practitioners in their professional development through easing technological anxieties and building digital resilience This book will be of interest to students scholars and practitioners in translation and interpreting studies as well as key stakeholders in the language services industry

AI GUIDE FOR TEACHERS Dean Jordan, AI is changing the world and classrooms are no exception But what does it really mean for teachers AI Guide for Teachers is your essential roadmap to understanding adapting and thriving in the age of artificial intelligence Designed specifically for educators this practical and insightful guide cuts through the hype to show how AI can support not replace the irreplaceable human role of a teacher Inside you ll discover How AI is already transforming lesson planning grading tutoring and assessment Real classroom examples of AI tools that boost engagement and personalize learning Practical strategies to use AI ethically responsibly and creatively Guidance on addressing student misuse of AI academic integrity and digital literacy Forward thinking discussions on the future of education in an AI powered world Whether you re tech savvy or tech shy this guide empowers you to take control of AI turning uncertainty into opportunity If you re a teacher who wants to stay ahead of the curve while staying true to your mission AI Guide for Teachers is the tool you need to lead with confidence and heart in an evolving educational landscape Teach smarter Stay human Shape the future

Using Artificial

Intelligence Absolute Beginner's Guide Michael Miller, 2024-11-27 Using Artificial Intelligence Absolute Beginner's Guide Who knew how simple AI could be Using Artificial Intelligence Absolute Beginner's Guide will have you getting the most of popular AI tools in no time Here's a small sample of what you'll find inside Learn how AI can make everyday life easier Get tips for using AI to write gather information get advice and more Discover how to use AI to generate images that are realistic and fantastical Examine the risks and rewards of artificial intelligence Find step by step instructions for today's most popular AI tools including ChatGPT Google Gemini Meta AI Microsoft Copilot and Midjourney Find out how to tell when something is AI generated so you don't get fooled by deepfakes Artificial intelligence can be fun and productive if you know which tools to use and when Using Artificial Intelligence Absolute Beginner's Guide tells you all about today's major AI tools and shows how to get the best results from them You'll learn to use AI for turning your ideas into art writing a great email sharpening your resume and even sparking conversation Instantly research everything from planning a trip to making your next big purchase It's all a matter of picking the right AI tool and constructing the right prompt You'll also learn to protect yourself from the risks of AI and distinguish AI fakes from the real thing Everything you need to know is here in this book **A Biologist's**

Guide to Artificial Intelligence Ambreen Hamadani, Nazir A Ganai, Hamadani Henna, J Bashir, 2024-02-29 A Biologist's Guide to Artificial Intelligence Building the Foundations of Artificial Intelligence and Machine Learning for Achieving Advancements in Life Sciences provides an overview of the basics of Artificial Intelligence for life science biologists In 14 chapters sections readers will find an introduction to Artificial Intelligence from a biologist's perspective including coverage of AI in precision medicine disease detection and drug development The book also gives insights into the AI techniques used in biology and the applications of AI in food and in environmental evolutionary agricultural and bioinformatic sciences Final chapters cover ethical issues surrounding AI and the impact of AI on the future This book covers an interdisciplinary area and is therefore is an important subject matter resource and reference for researchers in biology and students pursuing their degrees in all areas of Life Sciences It is also a useful title for the industry sector and computer scientists who would gain a better understanding of the needs and requirements of biological sciences and thus better tune the algorithms Helps biologists succeed in understanding the concepts of Artificial Intelligence and machine learning Equips with new data mining strategies an easy interface into the world of Artificial Intelligence Enables researchers to enhance their own sphere of researching Artificial Intelligence *The Ultimate AI Introduction* StoryBuddiesPlay, 2024-08-11 AI for Beginners is your gateway to the fascinating world of artificial intelligence This accessible guide demystifies AI by tracing its history exploring fundamental concepts and illustrating its real world applications From the basics of machine learning to ethical considerations and future trends this book offers clear explanations and practical insights for newcomers Whether you're an individual curious about AI or a business looking to integrate this transformative technology this guide provides the essential knowledge you need to understand and navigate the AI landscape effectively artificial intelligence AI for beginners

understanding AI AI concepts AI applications machine learning basics AI history ethical AI AI technology guide beginner s AI handbook

Generative AI: Principles, Techniques and Innovations Dr. Muthukumar Subramanian, Dr. Amit Shukla, Er. Arshadhafeez Khan, Dr. Tanmay Agrawal, 2025-03-04 Generative AI Principles Techniques and Innovations provides an in depth exploration of the field of Generative Artificial Intelligence presenting both theoretical foundations and practical implementations The book is structured into ten chapters covering essential topics such as machine learning fundamentals probabilistic models neural networks and various generative techniques including GANs VAEs and Diffusion Models The latter sections delve into real world applications ethical considerations and the tools and frameworks essential for building generative models Readers will gain insights into AI s role in content creation synthetic data generation and medical imaging along with enterprise and research applications The final chapter discusses the future of Generative AI its integration with other AI domains and its potential to shape the digital landscape This book is crafted to be an accessible yet rigorous resource for students AI enthusiasts and professionals in the tech industry By blending theoretical discussions with practical examples we aim to provide a holistic view of Generative AI enabling readers to leverage its capabilities responsibly and effectively

No-Code Artificial Intelligence Ambuj Agrawal, 2023-03-07 A practical guide that will help you build AI and ML solutions faster with fewer efforts and no programming knowledge

KEY FEATURES Start your journey to become an AI expert today Learn how to build AI solutions to solve complex problems in your organization Get familiar with different No code AI tools and platforms

DESCRIPTION No Code Artificial Intelligence is a book that enables you to develop AI applications without any programming knowledge Authored by the founder of AICromo <https://aicromo.com> this book takes you through an array of examples that shows how to build AI solutions using No code AI tools The book starts by sharing insights on the evolution of No code AI and the different types of No code AI tools and platforms available in the market The book then helps you start building applications of Machine Learning in Finance Healthcare Sales and Cybersecurity It will also teach you to create AI applications to perform sales forecasting find fraudulent claims and detect diseases in plants Furthermore the book will show how to build Machine Learning models for a variety of use cases in image recognition video object recognition and data prediction After reading this book you will be able to build AI applications with ease

WHAT YOU WILL LEARN Use different No code AI tools such as AWS Sagemaker DataRobot and Google AutoML Learn how to create a Machine Learning model to predict housing prices Build Natural Language Processing NLP models for Healthcare information Identification Learn how to build an AI model to create targeted customer offerings Use traditional ways to perform AI implementation using programming languages and AI libraries

WHO THIS BOOK IS FOR This book is for anyone who wants to build an AI app without writing any code It is also helpful for current and aspiring AI and Machine Learning professionals who are looking to build automated intelligent and smart AI based solutions

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Ai Overview This Month Tutorial Introduction

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