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Intel Movidius Neural Compute Stick Ai Programming

Didier Musso



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Information and Communication Technology for Intelligent Systems Tomonobu Senjyu, Parikshit N. Mahalle, Thinagaran Perumal, Amit Joshi, 2020-10-21 This book gathers papers addressing state of the art research in all areas of information and communication technologies and their applications in intelligent computing cloud storage data mining and software analysis It presents the outcomes of the Fourth International Conference on Information and Communication Technology for Intelligent Systems which was held in Ahmedabad India Divided into two volumes the book discusses the fundamentals of various data analysis techniques and algorithms making it a valuable resource for researchers and practitioners alike

Edge Computing Fadi Al-Turjman, 2018-11-09 In this book contributors provide insights into the latest developments of Edge Computing Mobile Edge Computing specifically in terms of communication protocols and related applications and architectures The book provides help to Edge service providers Edge service consumers and Edge service developers interested in getting the latest knowledge in the area The book includes relevant Edge Computing topics such as applications architecture services inter operability data analytics deployment and service resource management simulation and modeling and security and privacy Targeted readers include those from varying disciplines who are interested in designing and deploying Edge Computing Features the latest research related to Edge Computing from a variety of perspectives Tackles Edge Computing in academia and industry featuring a variety of new and innovative operational ideas Provides a strong foundation for researchers to advance further in the Edge Computing domain The Internet of Things John

Davies, Carolina Fortuna, 2020-06-08 Provides comprehensive coverage of the current state of IoT focusing on data processing infrastructure and techniques Written by experts in the field this book addresses the IoT technology stack from connectivity through data platforms to end user case studies and considers the tradeoffs between business needs and data security and privacy throughout There is a particular emphasis on data processing technologies that enable the extraction of actionable insights from data to inform improved decision making These include artificial intelligence techniques such as stream processing deep learning and knowledge graphs as well as data interoperability and the key aspects of privacy security and trust Additional aspects covered include creating and supporting IoT ecosystems edge computing data mining of sensor datasets and crowd sourcing amongst others The book also presents several sections featuring use cases across a range of application areas such as smart energy transportation smart factories and more The book concludes with a chapter on key considerations when deploying IoT technologies in the enterprise followed by a brief review of future research directions and challenges The Internet of Things From Data to Insight Provides a comprehensive overview of the Internet of Things technology stack with focus on data driven aspects from data modelling and processing to presentation for decision making Explains how IoT technology is applied in practice and the benefits being delivered Acquaints readers that are new to the area with concepts components technologies and verticals related to and enabled by IoT Gives IoT specialists a deeper

insight into data and decision making aspects as well as novel technologies and application areas Analyzes and presents important emerging technologies for the IoT arena Shows how different objects and devices can be connected to decision making processes at various levels of abstraction The Internet of Things From Data to Insight will appeal to a wide audience including IT and network specialists seeking a broad and complete understanding of IoT CIOs and CIO teams researchers in IoT and related fields final year undergraduates graduate students post graduates and IT and science media professionals

Artificial Intelligence, Ethics, and the Digital Society: Pathways to Sustainable Development Anju Beniwal, 2025-06-25 In recent years the rapid advancement of technology particularly Artificial Intelligence AI and digital innovations has fundamentally transformed every dimension of human society These developments have not only reshaped our economies and lifestyles but have also raised critical ethical environmental and sociological questions This edited volume brings together a diverse range of scholarly contributions that explore the intersections between technological progress sustainable development and social well being The chapters included in this volume reflect contributions from scholars and researchers across India encompassing disciplines such as Sociology History Economics Political Science and Liberal Education The themes range from the role of AI in everyday life and the impact of smart cities on environmental management to localized frameworks of sustainability the digital transformation of food systems and the media s influence on social awareness campaigns Special emphasis is placed on how Artificial Intelligence and digital technologies can both aid and challenge the achievement of Sustainable Development Goals SDGs Simultaneously the ethical frameworks surrounding these innovations are explored to ensure technology serves humanity without compromising core societal values This book also examines grassroots realities and region specific concerns such as sustainable practices in Assam the digitalization of India s organic food sector and menstrual taboos across cultures providing an inclusive and grounded understanding of the diverse sociocultural contexts in which sustainability must be achieved I hope that this volume serves not only as a valuable academic resource but also as a catalyst for interdisciplinary dialogue and policy innovation It is my belief that such collaborative and ethical inquiry is essential to building a more just equitable and sustainable society in the face of the 21st century s challenges I am grateful to all the contributors who have enriched this volume with their research and insights Their dedication to critical inquiry and commitment to social change is what makes this collection both timely and transformative

Practical Deep Learning for Cloud, Mobile, and Edge Anirudh Koul, Siddha Ganju, Meher Kasam, 2019-10-14 Whether you re a software engineer aspiring to enter the world of deep learning a veteran data scientist or a hobbyist with a simple dream of making the next viral AI app you might have wondered where to begin This step by step guide teaches you how to build practical deep learning applications for the cloud mobile browsers and edge devices using a hands on approach Relying on years of industry experience transforming deep learning research into award winning applications Anirudh Koul Siddha Ganju and Meher Kasam guide you through the process of converting an idea into

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