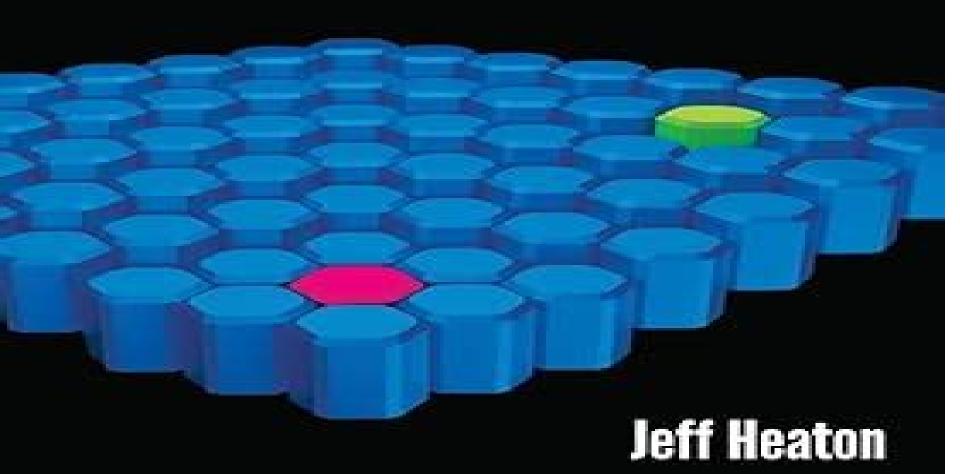
# Artificial Intelligence for Humans Volume 1: Fundamental Algorithms



# **Artificial Intelligence For Humans Volume 1 Fundamental Algorithms**

**Rachel S Tattersall** 

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facial recognition and motion based object detection Features The book covers the challenging issues related to sensors detection and tracking of moving objects and solutions to handle relevant challenges It contains the most recent research analysis in the domain of communications signal processing and computing sciences for facilitating smart homes buildings environmental conditions and cities It presents the readers with practical approaches and future direction for using IoT in smart cities and discusses how it deals with human dynamics the ecosystem and social objects and their relation It describes the latest technological advances in IoT and visual surveillance with their implementations This book is an ideal resource for IT professionals researchers undergraduate or postgraduate students practitioners and technology developers who are interested in gaining deeper knowledge and implementing IoT for smart cities real time applications areas and technologies and a possible set of solutions to handle relevant challenges Dr Lavanya Sharma is an Assistant Professor in the Amity Institute of Information Technology at Amity University UP Noida India She has been a recipient of several prestigious awards during her academic career She is an active nationally recognized researcher who has published numerous papers in her field Brain Technology in Augmented Cognition Suraj Sood, 2024-10-24 Brain Technology in Augmented Cognition Current and Future Trends informs engineers interested in human computer interaction about the current state of augmented cognition Its scope includes recent advances in electroencephalography EEG neural network NN and brain computer interface BCI brain technologies The title explores in detail each technological approach to augmented cognition and offers conclusions to them summarizing the work and their respective futures Augmented cognition research often includes the use of brain technology and this book addresses advances in augmented cognition and its applications It details recent uses of EEG NN and BCI in the field and how they may augment user researcher and practitioner cognition Focusing on the use of EEG for eye tracking NN logic and the BCI application of motor imagery MI and discussing challenges and opportunities relevant to such applications the title is a useful introduction to the subject matter. This is an engaging read for any student researcher or academic in the fields of engineering augmented cognition human computer interaction and human factors ergonomics who will learn the basics and key concepts of augmented cognition through this simple and **Encyclopedia of Information Science and Technology, Fourth Edition** Khosrow-Pour, D.B.A., straightforward title Mehdi, 2017-06-20 In recent years our world has experienced a profound shift and progression in available computing and knowledge sharing innovations These emerging advancements have developed at a rapid pace disseminating into and affecting numerous aspects of contemporary society This has created a pivotal need for an innovative compendium encompassing the latest trends concepts and issues surrounding this relevant discipline area During the past 15 years the Encyclopedia of Information Science and Technology has become recognized as one of the landmark sources of the latest knowledge and discoveries in this discipline The Encyclopedia of Information Science and Technology Fourth Edition is a 10 volume set which includes 705 original and previously unpublished research articles covering a full range of perspectives

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