Advanced Image-Based Spam Detection and Filtering Techniques

Part of the Advances in Information Security, Privacy, and Ethics Book Series

Sunita Vikrant Dhavale (Defense Institute of Advanced Technology (DIAT) and Pune, India)

Description:

Security technologies have advanced at an accelerated pace in the past few decades. These advancements in cyber security have benefitted many organizations and companies interested in protecting their virtual assets.

Advanced Image-Based Spam Detection and Filtering Techniques provides a detailed examination of the latest strategies and methods used to protect against virtual spam. Featuring comprehensive coverage across a range of related topics such as image filters, optical character recognition, fuzzy inference systems, and near-duplicate detection, this book is an ideal reference source for engineers, business managers, professionals, and researchers seeking innovative technologies to aid in spam recognition.
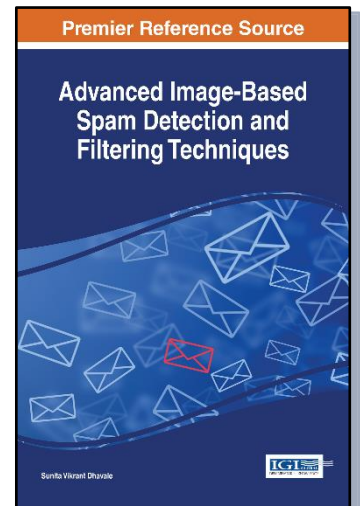
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Topics Covered:

- Anti-Spam
- Computer Security
- Feature Extraction
- Fuzzy Inference Systems
- Hacking
- Image Detail
- Image Filters
- Near-Duplicate Detection
- Optical Character Recognition

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Sunita Vikrant Dhavale, presently associated with Defence Institute of Advanced Technology (DIAT), an autonomous institute under Ministry of Defence, Pune, as an Assistant Professor in Department of Computer Engineering. She received her M.E. and PhD degrees in Computer Science from the Pune University in 2009 and DIAT University in 2015 respectively. She is recipient of IETE M. N. Saha Memorial Award for her paper published in IETE Journal of Research and Outstanding Woman Achiever Award from Venus International Foundation. She was selected as one of the top performers in four weeks AICTE approved Faculty Development Program on ICT tools by IIT, Bombay in September 2016. She has more than 20 publications in International Journals, International Conference proceedings and Book chapter. Her research areas are steganography, digital watermarking, multimedia forensics and security, cyber security. She organized first uniquely aimed National Conference on Electronics and Computer Engineering (NCECE - 2016) with the theme: Defence Applications in DIAT from 21st-22nd Jan 2016. She worked as a project manager for campus-wide Wi-Fi Project for higher research and education in DIAT in 2012. She emphasized on active learning strategy in her classroom. She arranged several seminars, workshops, Hands-on, presentation, debates, quizzes for providing the additional resources to MTech students and course improvement. She is member of many professional bodies including IEEE, ACM, ISTE, IETE, IAENG, and ISACA.