

Contents

Preface — V

List of contributors — IX

Editor's biography — XI

Preeti Malik, Varsha Mittal, Mohit Mittal, Kamika

Differential privacy: a solution to privacy issue in social networks — 1

Abdul Rahman, Krishnadas Nanath

Cracking Captcha using machine learning algorithms: an intersection of Captcha categories and ML algorithms — 27

Kiran Aswal, Dinesh C. Dobhal, Umesh K. Tiwari, Heman Pathak

The ransomware: an emerging security challenge to the cyberspace — 41

Samuel Wedaj Kibret

Property-based attestation in device swarms: a machine learning approach — 71

Sangeeta Mittal

A review of machine learning techniques in cybersecurity and research opportunities — 91

Vasu Thakur, Vikas Kumar Roy, Nikhil Baliyan, Nupur Goyal, Rahul Nijhawan

A framework for seborrheic keratosis skin disease identification using Vision Transformer — 117

Preeti Malik, Ashwini Kumar Singh, Rohit Nautiyal, Swati Rawat

Mapping AICTE cybersecurity curriculum onto CyBOK: a case study — 129

Index — 145