Soumyadeep Thakur

PERSONAL DETAILS

Date of Birth: 24 Feb 1997
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ACADEMIC BACKGROUND

INDIAN INSTITUTE OF TECHNOLOGY BOMBAY, MUMBAI, INDIA | 2019 - 2021 (Expected)
DEGREE: MASTER OF TECHNOLOGY AND TEACHING ASSISTANT
DISCIPLINE: COMPUTER SCIENCE AND ENGINEERING

JADAVPUR UNIVERSITY, KOLKATA, INDIA | 2015 - 2019
DEGREE: BACHELOR OF ENGINEERING
DISCIPLINE: COMPUTER SCIENCE AND ENGINEERING
C.G.P.A: 9.04
S.G.P.A:

1st Year 1st Semester: 9.38	1st Year 2nd Semester: 9.56
2nd Year 1st Semester: 9.00	2nd Year 2nd Semester: 9.38
3rd Year 1st Semester: 8.75	3rd Year 2nd Semester: 9.12
4th Year 1st Semester: 8.71	4th Year 2nd Semester: 9.18

VIVEKANANDA MISSION SCHOOL, KOLKATA, INDIA | 2000 - 2015
GRADUATED: May 2015

Percentage score in I.S.C EXAMINATION 2015 (12th Standard): 98.25
Percentage score in I.C.S.E EXAMINATION 2013 (10th Standard): 97.00

ACADEMIC AND RESEARCH EXPERIENCE

CREDIT CARD FRAUD DETECTION
POSITION: Undergraduate Researcher
INSTITUTE: Jadavpur University, Kolkata
SUPERVISOR: Dr. Sanjoy Kumar Saha
PERIOD: October 2018 - May 2018
DESCRIPTION:
• Detecting fraud from credit card transaction stream using an autoencoder based deep neural network..

ANDROID MALWARE DETECTION

POSITION: Mitacs Globalink Research Intern
INSTITUTE: University of British Columbia, Vancouver
SUPERVISOR: Dr. Julia Rubin
PERIOD: May 2018 - August 2018
DESCRIPTION:

• Analysed malicious Android apps that were already published to the Google Play Store and tried to figure out what caused them to bypass Google malware analysis techniques.
• Created an app that can have a potential malicious payload and submitted it to Google. Our app was published to the Play Store and we were able to identify how Google analyses apps submitted to the Play Store.
• Planned a malware analysis tool that uses Trace Equivalence to identify malwares dynamically.

KEY PRE-DISTRIBUTION IN WIRELESS SENSOR NETWORKS

POSITION: Undergraduate Researcher
INSTITUTE: Indian Statistical Institute, Kolkata
SUPERVISOR: Dr. Bimal Roy
PERIOD: May 2017 - July 2018
DESCRIPTION:

• Studied the security aspects including resiliency against node capture attacks of existing key pre-distribution schemes in Wireless Sensor Networks.
• Designed a key pre-distribution scheme for WSNs having high edge and vertex resiliency against random node capture attacks and performed simulations to verify the results

PROGRAMMING SKILLS

PROFICIENT: C • C++ • Java
COMFORTABLE: Python • bash • git • SQL • Octave • Android

AWARDS AND ACHIEVEMENT

2015: Stood 5th in Jontro Tontro, a robotics competition for freshmen organized by Jadavpur University Science Club
2014: Among Top 300 candidates from India who qualified for INChO (Indian National Chemistry Olympiad)
2014: Qualified for Kishore Vaigyanik Protsahan Yojana (KVPY) Fellowship, KVPY SA 2013 with an All India Rank of 145
2011: State Topper Award, International Informatics Olympiad organised by Computer Literacy Foundation, New Delhi
2011: 3rd position among Class IX students of our School - TTIS Science Quest
2009: 2nd position in class, 5th position in State - International Informatics Olympiad organised by Computer Literacy Foundation, New Delhi