Praveensankar M

M.Tech - Student

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BIO

I am a second-year masters student studying at National Institute of Technology Puducherry, India. I have worked on blockchain technology and Named Data Networking. In Blockchain, I have experience in Hyperledger fabric. I have developed an Intrusion Detection System for NDN-Based VANET. For my master's project I am exploring the fully homomorphic encryption technique based on the ideal lattices. My research interests are in Cryptography, Lattice Cryptography, Cyber Security and Network Security. I am looking for Ph.D. positions in these areas.

Area of Interest

- Cryptography
- Lattice Cryptography
- Network Security

EDUCATION

M.Tech. - Computer Science and Engineering

National Institute of Technology Puducherry, Karaikal
July 2018 - PRESENT
CGPA - 9.91 / 10

B.E. - Computer Science and Engineering

PSG College of Technology, Coimbatore
July 2012 - May 2016
CGPA - 7.69 / 10

PUBLICATIONS

Journal

Praveensankar Manimaran and P. Arun Raj Kumar. "NDNIDS : An Intrusion Detection System for NDN Based VANET" *International Journal of Security and Networks* (under review)

Book Chapter

Ravi, Chandrasekar and Praveensankar Manimaran. "Introduction of Blockchain and Usage of Blockchain in Internet of Things." *Transforming Businesses With Bitcoin Mining and Blockchain Applications.* IGI Global, 2020. 1-15. Web. 18 Oct. 2019. doi:10.4018/978-1-7998-0186-3.ch001

https://www.igi-global.com/chapter/introduction-of-blockchain-and-usage-of-blockchain-in-internet-of-things/238356

Conference

Praveensankar Manimaran and Dr. R. Dhanalakshmi. "Blockchain Based Smart Contract for E-Bidding System" in *International Conference on Intelligent Communication and Computational Techniques (ICCT19), Jaipur, 2019, IEEE* (accepted)

EXPERIENCE

Summer Research Intern

National Institute of Technology Calicut, Kozhikode

May 2019 - July 2019

- Studied about Software Defined Networking
- Worked with mininet simulator to simulator SDN environment
- Studied the architecture of the Named Data Networking and usage of NDN in VANET
- Designed and developed Intrusion Detection System for NDN Based VANET

Software Engineer

Accolite Software India Pvt. Ltd., Bangalore

July 2016 - March 2017

- Worked on the web development
- Language - C#, Javascript, Web framework - ASP.NET MVC, backend technology - ASP.NET, frontend technology - Jquery and AngularJS, database - Microsoft SQL Server
- Developed POC application for IT Resource Management
- Worked on web development for British Telecommunications through Accolite

Software Engineer Intern

Accolite Software India Pvt. Ltd., Bangalore

January 2016 - April 2016

- Worked on the web development
- Language - C#, Javascript, Web framework - ASP.NET MVC, backend technology - ASP.NET, frontend technology - Jquery and AngularJS, database - Microsoft SQL Server
- Learned about web development in general and studied ASP.NET and Basic javascript for developing websites
- Studied about 3 Layer architecture in ASP.NET

Projects

Android Application for alarm system

PSG College of Technology, Coimbatore

June 2015 - October 2015

- In this application to stop the alarm, the user has to solve either a mathematical puzzle or a logical puzzle or count the number of objects in the image or click the given color in the grid of colors. These functionalities are provided along with traditional alarm functionalities
- Github : https://github.com/praveensankar/Alarm-App

Face Recognition system using Principal Component Analysis

PSG College of Technology, Coimbatore

June 2014 - October 2014

- To detect and recognize an image from a predefined collection of images using the eigenface-based facial recognition
- Github : https://github.com/praveensankar/face_recognition

Teaching

Teaching Assistant - CS609 Network Programming Lab

National Institute of Technology Puducherry, Karaikal

August 2019 - Present

- Assisted students in doing the experiments based on the socket programming

Teaching Assistant - CS102 Basics of Programming Lab

National Institute of Technology Puducherry, Karaikal

January 2019 - April 2019

- Assisted students in doing the lab experiments using the programming language 'c'

SKILLS

Programming Languages : C, Python, SQL

Operating Systems : Ubuntu, Windows

Frameworks : Django

Achievements

- Scored 96.03 Percentile in Computer Science, GATE 2018
- Scored 98.02% in HSC exam, 2012
- Scored Centum in Computer Science, HSC exam, 2012
- Scored 97.80% in SSLC exam, 2010
- Scored Centum in Maths and Science, SSLC exam, 2010