

EDUCATION

Northeastern University, Boston, MA **Khoury College of Computer Sciences**

Candidate for a Master of Science in Computer Science

Courses: Programming Paradigm Design, Computer Networks & Algorithms

Jan. 2019 – Present
Expected Graduation – May. 2021

PES University, Bangalore, KA, India

Candidate for a Bachelor of Technology in Computer Science

Specialization in Data Science

Courses: Data Structures, Web Development, Algorithms & Big Data

Aug. 2018

TECHNICAL KNOWLEDGE

Languages & Tech: Java, Python, Socket Programming, AngularJS, Angular4, JavaScript, Node.js, PL/SQL, HTML, CSS, RESTful API, Hibernate, Oracle Database (with Oracle Apex) and Cassandra
Systems: Windows Vista/7/8/10, Linux, MacOS
Software: IntelliJ Idea, Oracle Apex, Arduino UNO, NS2 simulation
Certifications: Angular: Ecosystems (Lynda.com), How the IOT and Smart Services Will Change Society (SAP Labs)

WORK EXPERIENCE

Khoury College of Computer Sciences, Northeastern University, Boston, MA

Graduate Teaching Assistant – Networks & Distributed Systems

Sep. 2019 – Present

- Guiding students in developing networking projects and facilitate a collaborative environment

Deloitte US-India Consulting, Bangalore, KA, India

Software Developer

Aug. 2018 – Dec. 2018

- Took initiative to develop and customize various web applications under Test Workbench by Deloitte™ with Oracle Apex and Oracle Database using PL/SQL, JavaScript and jQuery for multiple US clients
- Developed features to manage critical activities on various platforms from Test Workbench and generate insightful graphs and charts for analysis
- These applications are currently in use for monitoring and tracking progress of internal projects by over 200 users in US and India

Software Developer Intern

Jan. 2018 – July. 2018

- Developed, tested and deployed GhostRider -a full stack web application- to production in less than two weeks of joining as an intern, as a result was awarded performer of the month – March 2018
- Single handedly led the development of GhostRider in Angular4, Spring, Hibernate and Java for a U.S based client pioneer in the TMT domain (Technology, Media & Telecommunication)

PROJECTS

Stock Trading Application, Northeastern University, Boston, MA

Apr. 2019

- Designed and developed this application in Java following the MVC architecture, SOLID design Principles, and design patterns including Command and Strategy design pattern
- Enhanced this application to support real-time trading by integrating a web-based API

A Game of FreeCell, Northeastern University, Boston, MA

Mar. 2019

- Developed this game in Java following the MVC architecture and Builder design pattern

Low Weight Encryption Algorithms for Wireless Sensor Network, Microsoft Innovation Lab, Bangalore, India

Dec. 2017

- Implemented lightweight AES, RSA and ECC algorithms on proprietary sensor nodes to encrypt data
- Optimized battery performance of wireless sensor nodes by about 35%. The wireless sensor network is currently in use at the university for satellite research

Real Time Data Analytics Tool, Smart India hackathon 2017, Bangalore, India

Apr. 2017

- Worked on development of a real-time data analytics SaaS tool for the Department of Defense Production, Government of India, India, this got us the Innovation Award at the Hackathon among 1266 participants
- Developed text anomaly detection system, data visualization and location-based data features

IPL Analysis (Cricket Score Prediction), PES University, Bangalore, KA, India

Dec. 2016

- Developed this application using Big Data tools (Spark, Hive, Hbase) and web tools to predict cricket scores
- Implemented log5 method as the main prediction algorithm to achieve an accuracy of 67%

INTERESTS/ACTIVITIES

- Mentor and Research Intern at Microsoft Innovations Lab (funded by Microsoft Redmond) at PES University, Bangalore
- Hobby project: trawel.co.in | Runners up at the State Level Lego Robotics competition, Bangalore, India
- Member of Information Systems Security Association – NU Chapter at Northeastern University, Boston, MA
- Proud member and Director of Public Relations at Rotaract Club of Peenya, Bangalore, India