

Mansukh Pamarath

(617) 380-9824 | pamarath.m@northeastern.edu | mansukhp96.github.io

EDUCATION

Northeastern University, Boston, USA

Expected Graduation: Dec 2021

Candidate for Master of Science in Computer Science

Relevant coursework: Algorithms, Web Development & Security

PES University, Bangalore, India

Aug 2018

Bachelor of Technology in Computer Science

Specialization in Data Science

Relevant coursework: Object Oriented Programming, Data Structures & Big Data

TECHNICAL SKILLS

Languages: JavaScript, Python & Java

Web Technologies: React.js, Redux, Angular4, Node.js, Spring boot, Docker & RESTful API

Databases: MySQL, MSSQL, Oracle, PostgreSQL, HBase & Hive

Cloud Tech & Frameworks: AWS EC2 & S3, Azure, Apache Spark, Airflow & Solr Cloud

PROFESSIONAL EXPERIENCE

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

Jan 2021 – Present

Graduate Teaching Assistant – Computer Networks, Object Oriented Design & Systems Security

- Designed and developed challenges and virtual environments for graduate and undergraduate courses

Boston Children's Hospital – Harvard Research Computing, Boston, USA.

Jan 2020 – Dec 2020

Software Engineer Co-op

- Developed crucial COVID web apps –React.js & Spring boot stack– that are currently in use by medical researchers and practitioners to survey, diagnose and collect samples from patients
- Collaborated with a team in an agile environment to develop and introduce REST APIs in Java –used by multiple applications in the research computing division
- Designed, implemented & optimized over 60 workflows –using Apache Airflow, Solr Cloud, Docker, Python & SQL –enhancing efficiency of workflows by over 40%

Deloitte US–India, Bangalore, India

Software Developer (Business Technology Analyst)

Aug 2018 – Dec 2018

- Took initiative to develop various web apps and features under Test Workbench by Deloitte –Oracle Apex & Oracle DBMS, PL/SQL, JavaScript & jQuery– for private and public sector US clients such as Charter Spectrum Inc., Anthem Inc., State of Ohio & State of Wyoming
- Developed features to manage critical activities on various platforms from Test Workbench and generate insightful graphs and charts for analysis –currently has over 200 users in US & India

Software Developer Intern (Business Technology Analyst)

Jan 2018 – Jul 2018

- Spearheaded the development of GhostRider –Angular4 & Spring boot stack– for Charter Communications Inc., (Charter Spectrum)
- Developed, tested, and deployed GhostRider to production in less than two weeks of starting as an intern, as a result was awarded performer of the month –March 2018

Microsoft Innovation Lab, PES University, Bangalore, India

Jun 2016 – Dec 2017

Research Intern & Mentor

- Implemented lightweight AES, RSA and ECC encryption algorithms on proprietary wireless sensor nodes
- Optimized battery performance of the nodes by 35% and is currently being used at the university for satellite research –<https://bit.ly/3CC9idg>

PROJECTS

Waltrus – An Android Password Manager

Git: <https://bit.ly/3yO3fA1>

- Developed an Android app in Java to securely store, retrieve, generate and autofill passwords to other apps with integrated Biometric authentication (Face Unlock and Fingerprint)
- Designed the entire security architecture –AES, Android Keystore, Biometric API & SQLCipher
- Earned the [Security Talent Award](#) for the best final project by Professor Omid Mirzaei

StockMeister

Git (Frontend): <https://bit.ly/3m2aOzx> | **(Backend):** <https://bit.ly/2VEVLkk>

- Designed, developed, and deployed a MERN web app to help novice and veteran investors track and simulate real-time stocks and crypto trading –stockmeister.herokuapp.com
- Built and integrated RESTful API services for searching news, crypto, stocks and people on the app

INTERESTS

- Hobby project collaboration: trawel.co.in | Runners up at the State Level Lego Robotics, Bangalore, India
- Bagged the [Innovation Award](#) among 1266 teams (National) at the 2017 Smart India Hackathon