

# Mansukh Pamarath

## Full Stack Developer

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## 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*

- Guided students in developing projects and facilitate a collaborative environment
- 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

*Aug 2019 – Dec 2018*

*Software Developer (Business Technology Analyst)*

- 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

## PROJECTS

**StockMeister**

*Mar 2021 – Present*

- Designed and developed a MERN web app to help novice and veteran investors track and simulate real-time stocks and crypto trading –[stockmeister.herokuapp.com](https://stockmeister.herokuapp.com)

**Real Time Data Analytics Tool**, Smart India Hackathon 2017, Bangalore, India

*Apr 2017*

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

## INTERESTS

- Hobby project collaboration: [trawel.co.in](https://trawel.co.in) | Runners up at the State Level Lego Robotics, Bangalore, India
- Member of Information Systems Security Association – NU Chapter, Northeastern University, Boston, USA