

# 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, Programming Design Paradigm & Network Security

**PES University**, Bangalore, India

*Aug 2018*

**Bachelor of Technology in Computer Science**

*Specialization in Data Science*

*Relevant coursework:* Object Oriented Programming, Web Development, Data Structures & Big Data

## TECHNICAL SKILLS

**Programming Languages:** JavaScript, TypeScript, Python & Java

**Web Technologies:** React.js, Redux, Angular4, Node.js, Flask, Django, Docker & RESTful API

**Databases:** MySQL, MSSQL, Oracle, PostgreSQL, Hbase & Hive

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

**Tools:** Visual Studio, GIT, Eclipse, Datagrip & IntelliJ Idea

## PROFESSIONAL EXPERIENCE

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

*Jan 2020 – Dec 2020*

*Software Engineering Co-op*

- Developed crucial COVID web applications –in React.js, Redux & Django– that are currently in use by medical researchers and practitioners to survey, diagnose and collect samples from patients
- Designed, implemented & optimized over 50 workflows –using Apache Airflow, Solr Cloud, Docker, Python & SQL– enhancing efficiency of workflows over 66%

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

*Sep 2019 - Dec 2019*

*Graduate Teaching Assistant – Networks & Distributed Systems*

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

**Deloitte US–India**, Bangalore, India

*Aug 2019 - Dec 2018*

*Software Developer*

- Took initiative to develop and customize various web applications under Test Workbench by Deloitte with Oracle Apex & 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 & tracking progress of internal projects by over 200 users in USA & India

*Software Developer Intern*

*Jan 2018 - Jul 2018*

- Developed, tested and deployed GhostRider -a full stack web application- to production in less than two weeks of starting 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 US client Charter Communications (Spectrum) –a pioneer in the TMT domain

**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

**Stock Trading Application**, Northeastern University, Boston, USA

*Apr 2019*

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

**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/ACTIVITIES

- Hobby project: [trawel.co.in](http://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