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
- 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