

AVINASH VEERSHETTY

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github.com/aviveershetty

EDUCATION

Masters in Computer Engineering

2019 - Present

NYU Tandon School of Engineering

Bachelor of Engineering in Electronics and Communication

2012 - 2016

BMS Institute of Technology & Management, Bangalore, India

EXPERIENCE

New York University, New York City, USA

July 2020 - Present

Research Assistant, Department of Mechanical and Aerospace Engineering

- Design and full stack development of a Mobile application using React Native, GraphQL and MongoDB. The data obtained from wearables like Fitbit and Garmin is processed, analyzed and rendered on charts.

IT Dept at NYU, New York City, USA

June 2019 – June 2020

Technical Student Specialist, Academic Application Development

- Revamped UI and app interface of a student portal for event registration using MERN (MongoDB, Express, React & Node) stack which increased Interaction Response Time by 65 ms.
- Automated UI testing and JIRA functionalities using Python and incorporated Naive-Bayes Classifier for automated JIRA task assignments saving time by 40%. Developed Ansible scripts to automate testing on AWS.

FIDELITY INVESTMENTS, Bangalore, India

Aug 2016 - Dec 2018

Software Engineer, Fidelity Brokerage Technology

- Developed an application using Angular, MongoDB & Python that reconciled order data between Fidelity & exchanges and predicted future price breaks with an accuracy of 76%.
- Built a full stack web application using React, Redux & MongoDB to assess employees' grasp and understanding after course completion. The tool performed at Interaction-frame-rate < 75fps.
- Migrated Java API from JAX-RPC to JAX-WS resolving on-going defects and refactored code to handle future errors. Awarded 'You have earned it' for timely delivery of service with Effective Pass Rate of 97%.
- Implemented Natural Language Processing (NLP) BERT model to provide a summary to chain of emails regarding critical issues, on an average saved an hour spent in creating detailed reports on disaster recovery.
- Implemented CI/CD using Jenkins and uDeploy. Followed Scrum and Kanban for day-to-day tasks.

ACADEMIC & PERSONAL PROJECTS

"MERN Online booking Portal": Built an online booking portal to implement MERN(Mongo, Express, React & Node) Web application for increasing my proficiency on the same. Code available on Github.

"Plant Monitoring system": An extension of the Automated Irrigation System with Mobile application aimed at relaying the data collected from around the plant. Contributed to Mobile application development.

TECHNICAL SKILLS

Languages Python, Java, Javascript | **Databases** MongoDB, SQL | **Build Tools** Maven, Gradle

Frameworks ReactJS, React Native, Django, Spring, Flutter | **Platforms** Ansible, Docker, GCP, AWS & Kubernetes

EXTRACURRICULAR ACTIVITIES

Volunteered in a Fidelity program to bring new recruits up to speed with team operations and web service development.

Founded student's club 'Elecsim' with batch mates which organizes Technical events & provides a platform to discuss projects and research papers. **Interests:** Traveling, Hiking, Trekking and watching Cricket & Soccer.