Prasanna Limaye

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EDUCATION

MS in Computer Science, Stevens Institute of Technology, NJ, USA	Expected May 2025
Relevant Courses: Database Management, Full-Stack Development, Machine Learning	**GPA 4.0/4.0**
Bachelors Engineering in Computer Engineering, Mumbai University, India	May 2018
Relevant Courses: Data Structures, Advanced Algorithms, Android Development, Java Programming	**GPA 3.9/4.0**

SKILLS

Programming and Software: Python, Django, Flask, Java, JavaScript, Express, Angular, React, Node.js, Git, CI/CD, SQL, NoSQL, MongoDB, AWS Cloud Platform, Azure cloud.

Other Skills: Detailed orientated, presentation, analytical skills, communication, teamwork.

EXPERIENCE

Software Engineer Intern, Rainier Trading, Seattle, USA — May 2023 – Now

FULLSTACK | Django | Python | JavaScript | React

- Developed a robust trading system using **Django** in Python and the **Interactive Brokers API** to efficiently manage entry, exit, and database updates for various trading strategies, enhancing overall system reliability and maintainability.
- Implemented an **Object-oriented** architecture for trading strategies, reducing code duplication and enabling easy customization to adapt to various trading requirements.
- Integrated **Jenkins** with Bitbucket for **CI/CD**, automating strategy deployment and ensuring continuous code updates.
- Developed a **ReactJS** dashboard with real-time updates through HTTP requests to the backend, enhancing user experience by eliminating page reloads and providing seamless interaction with financial data reducing dashboard load times by 40%.
- Built a Django server with the **Singleton pattern** and cache, reducing re-requests and boosting server response time by 60%.
- Configured exit codes in scripts to report errors in Jenkins, improving visibility in the trading system's build process.

Software Engineer, Tata Consultancy Services, India — June 2021 – July 2023

FULLSTACK |MongoDB | Express.JS | Angular | Node.JS | Python

- Led a team of five in developing a full-stack web application in **Angular**, using iterative scrum-based approach.
- Developed a REST API with **NodeJS** to enhance system performance and managed **PostgreSQL** and **MongoDB** databases.
- Enhanced legacy function logic by utilizing appropriate **data structures**, resulting in a 30% faster response time.
- Automatized manual processes with **Python scripts**, reducing product delivery time by 60%.
- Created a UI Component library, reducing development time by 25% and minimizing UI inconsistencies.

Software Engineer Inter, Blue Eye Soft Corp, India — June 2020 – June 2021

FULLSTACK | Flutter | AWS | MySQL | JAVA | Spring Boot

- Developed Contact Tracing COVID-19 mobile application with **Spring Boot** backend, and **MySQL** database.
- Implemented a cross-platform app in **Flutter**, with intuitive UI and successfully deployed contact tracing module
- Employed agile methodologies such as **Scrum** frameworks, Kanban boards, improving task completion by 30%.
- Deployed entire application with **AWS** cloud service, created files and images storage in EC2 instance and s3bucket.

PROJECTS

Vayu – Pollution Monitoring and Prediction (React.JS | Arduino | Django REST Framework) — June 2022

- Engineered an **IoT** pollution monitor, achieving real-time data collection with 95% accuracy in pollution levels.
- Managed a Python **Django-REST server**, managing data from 50+ devices, leading to a 30% reduction in response times.
- Designed a **ReactJS** web app, featuring heat maps and illustrations, fostering improvement in user comprehension regarding climate trends, empowering stakeholders with actionable insights.

University Management System (MongoDB | Express.JS | React.JS | Node.JS) — Dec 2023

- Designed and deployed full-stack application using **Node.js**, **Express**, and **MongoDB** for seamless academic operations.
- Implemented role-based application access control, ensuring tailored user experience and system security.
- Integrated PDF viewer, email notifications, location-based attendance tracking for enhanced functionality.
- Created a dynamic **ReactJS** application having modules like course management, grading and learning modules.
- Enhanced **security** through .env file configurations, **CSRF protection** and robust error handling mechanisms.

ACADEMIC AND EXTRACURRICULAR ACHIEVEMENTS

Technical Head and Speaker, Computer Society of India- SAKEC, Mumbai University, India	June 2019 – June 2021
Gold Medalist and Silver Medalist, University of Mumbai	June 2017 – June 2019
Finalist, Smart Mobility Hackathon, HERE Technologies	June 2018 – July 2018