Pratik Fandade

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EDUCATION

University at Buffalo - SUNY   **Aug 2024 – Dec 2025**
Master of Science in Computer Science and Engineering   Expected Dec 2025

Vishwakarma Institute of Technology, Pune   **Aug 2018 – Aug 2022**
Bachelor of Technology in Information Technology   GPA: 3.7

TECHNICAL SKILLS

- **Programming Language:** HTML/HTML5, CSS, Python, C++, C#, JavaScript, TypeScript, Java, J2EE, Ruby, Go, Rust, Bash
- **Databases/Query Language:** PostgreSQL, MySQL, MongoDB, NoSQL
- **Frameworks/Tools:** React.js, Angular, NextJS, Node.js, Express.js, jQuery, JDBC, JSP, Spring, Oracle, Maven, Tomcat, Flutter, Git, Linux, GitHub
- **Cloud Computing/DevOps:** Amazon Web Services, Lambda, Amazon S3, Kinesis, Weblogic, GCP, Docker, Kubernetes, Microservices, RabbitMQ, GitHub CI/CD
- **Concepts:** Front-End Development, Backend Development, Distributed Systems, Distributed Applications, UX Design, Usability
- **Coursework:** Data Structures, Algorithms, Operating Systems, Cyber Security, DBMS, Artificial Intelligence/Machine Learning (AI/ML), Object-Oriented Programming, Android/Web Development

EXPERIENCE

Colgate Palmolive ⤴   **Feb 2022 – Aug 2024**
Software Engineer — Full Stack Development

- Collaborate in a fast-growing team of 16 developers using Agile Software Development Life Cycle, Sprint and code review practices to build proprietary software for 10,000+ businesses.
- Implemented clean and scalable web backend APIs using Django, React, AWS, GCP, Kubernetes, RabbitMQ, Docker, Big Data, and Celery, supporting reliability over 1 million concurrent I/Os and End-to-end Deployment.
- Redesigned core business logic modules for customer service, global inventory planning solutions, resulting in 50% time savings and increased product features usability.

Junior Software Engineer — Full Stack Development   **Aug 2022 – Aug 2023**

- Refactored front-end architecture and UX/UI using TypeScript, Ag-grid, Ant Design, React.js, Redux.js, and MUI-X, reducing performance overhead by 70%.
- Resolved 100+ bugs and feature requests through Troubleshooting, Debugging, test-driven development, continuous improvement and clean coding practices.
- Led testing automation via GitHub Actions, JEST, and Cypress, cutting build times by 60% and improving collaboration across global teams.
- Promoted for optimizing frontend scalability and innovation, reducing technical debt in a globally used product by 30%.

Software Engineer Intern — Full Stack Development   **Feb 2022 – Aug 2022**

- Co-Ordinated with 6 full-stack engineers to maintain software used across 100+ countries in a collaborative environment.
- Designed and implemented a feature for Customer Needs, validating thousands of data points via processing pipelines, saving users over 50% in manual effort.
- Facilitated 50+ commits and received recognition as a top-10 contributor through effective collaboration and feedback integration.

PROJECTS

Stock Market Trend Prediction ⤴ | *RNN, TensorFlow, Keras, Python*   **Aug 2021 – Jan 2022**

- Built a predictive ML model using LSTM RNN and Twitter sentiment analysis, achieving 91.96% accuracy on stock price growth forecasts.
- Developed backend data ingestion using Flask and integrated Yahoo Finance API for real-time data processing.
- Collaborated on frontend UX improvements, ensuring responsive updates and clean usability.

Redis-Inspired In-Memory Database ⤴ | *Go, Docker, RESP*   **Aug 2020 – Jan 2021**

- Developed a Redis-like in-memory key-value store Application in Go with a custom RESP protocol parser and thread-safe operations.
- Achieved master-replica syncing using 'REPLCONF' and 'PSYNC', ensuring fault-tolerant distributed operations with 99.99% uptime.
- Designed for backend scalability and optimized performance using Best Practices, cutting app response time by 30%.