

Pratik Fandade

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SKILLS

- **Frontend:** React.js, React Native, Next.js, Redux, Tailwind CSS, TypeScript, JavaScript
- **Backend/Infra:** Node.js, Express, Django, gRPC, Firebase, AWS (EC2, S3), Docker, GCP, PostgreSQL, MongoDB
- **Developer Tools:** Git, GitHub Actions, Prometheus, Grafana, Jira, Postman
- **Methodologies:** Agile, CI/CD, TDD, SDLC

EXPERIENCE

Redprint - *React Native, Node.js, AWS EC2, AWS S3, Firebase*
Software Developer Intern

Buffalo, NY

Jun 2025 – Present

- Delivered a production-ready **React Native + Node.js** based Mobile Application for Android/iOS, improving mobile reach
- Built high-performance UI flows using **TypeScript** and **Tailwind**, reducing screen load time by 35%
- Led 5-member team in **Agile** sprints; integrated CI/CD pipelines for weekly releases using GitHub Actions

Colgate Palmolive - *React.js, Django, GCP, PostgreSQL, RabbitMQ, Docker*
Software Engineer

Mumbai, Maharashtra

Aug 2022 – Aug 2024

- Developed trading-like inventory dashboard in **React**, used by 10K+ B2B clients, with real-time data sync
- Reduced API response times by 70% by profiling **Django REST** and caching high-traffic endpoints
- Enhanced UX with **React.js**, **MUI-X**, increasing user task efficiency by 25% through optimized UI workflows
- Resolved 50+ production issues via TDD and cross-functional debugging with CI pipelines

Colgate Palmolive - *React.js, Django, PostgreSQL, GCP, GitHub CI/CD*
Software Engineering Intern

Mumbai, Maharashtra

Feb 2022 – Aug 2022

- Accelerated release cycles by 30% by building GitHub CI/CD workflows with **Cypress**, and **Jest**
- Refactored component tree and state handling in **React**, reducing UI re-renders by 43%

PROJECTS

Distributed Key-Value Store | *Go, gRPC, Raft, Docker*

- Built distributed key-value store with leader election and **99.9% uptime** using **Raft** consensus
- Designed **gRPC** interface with retry and leader forwarding, simulating live trade routing behavior

Custom Linux Process Monitor | *C, eBPF, Prometheus, Grafana*

- Created low-overhead **eBPF** tracing tool for **kernel metrics**, enabling real-time observability
- Integrated **Prometheus** and **Grafana** dashboards for DevOps live system behavior visualization

Stock Trend Predictor | *Python, LSTM-based RNN, Twitter API*

- Achieved 91.96% prediction accuracy by combining **LSTM RNN** with Twitter sentiment analysis
- Built live data pipeline with Yahoo Finance API, reducing inference latency by 10 seconds

EDUCATION

University at Buffalo, State University of New York

Buffalo, NY

Master of Science in Computer Science and Engineering

Aug 2024 – Dec 2025

Relevant Coursework: Analysis of Algorithms, Operating Systems, Computer Networks

Vishwakarma Institute of Technology, Pune

Pune, Maharashtra

Bachelor of Technology in Information Technology

Aug 2018 – Aug 2022

Relevant Coursework: Object-Oriented Programming, Data Structures, Database Management, Machine Learning

OPEN-SOURCE & PUBLICATIONS

- Guided performance, code quality and collaborate improvements by serving as a **Code Reviewer** on the open-source **Diesel ORM Builder in Rust**, focusing on database connection pooling and compile-time query generation
- Contributed to an open-source crypto job matching platform by developing **Rust** backend services with **RabbitMQ**, integrating smart contracts, optimizing PostgreSQL queries, and enhancing React frontend UX, improving system reliability by 35% and user retention by 20%.
- Published research on **LSTM-based Stock Prediction** by integrating time-series modeling with Twitter sentiment analysis