

# PRANAV GAUTAM

Software Engineer | Production-Scale APIs, Real-Time Systems, AWS & Docker

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## TECHNICAL SKILLS

**Languages & Databases:** Python, JavaScript, TypeScript, Java, MySQL, PostgreSQL, Redis, SQLite

**Backend:** FastAPI, Flask, Express.js, Node.js, REST APIs, WebSockets, Microservices

**Frontend:** React.js, React Native (Expo)

**DevOps & Testing:** AWS (EC2, S3), Docker, CI/CD (GitHub Actions), Pytest, Playwright, Unit & Integration Testing

## EXPERIENCE

### Secreterrier LLC

### Software Engineer

Remote, USA

Apr 2025 – Present

- Engineered and deployed containerized backend services (**Python, Node.js**) using **Docker** on **AWS EC2** with **Redis** caching and **MySQL** persistence to support real-time scoring for live events.
- Led development of the company's first mobile application created using **React Native (Expo)**, delivering 17+ production features in 8 weeks and expanding the platform from web-only to real-time mobile event workflows.
- Designed automated test suite (**200+ unit and integration tests**) enabling reliable weekly production deployments with reduced regression risk.
- Built a rules engine that automates complex multi-sport scoring, resolves edge cases, and delivers error-free results across 8 dog sports.
- Partnered with customers and event organizers to transform complex requirements into scalable product features, which increased onboarding efficiency by 20%

### Green Coral Agrisciences Pvt. Ltd.

### Software Engineer

Indore, India

Jan 2021 – May 2022

- Built a full-stack logistics platform using **Flask, React, and MySQL** with **RBAC-secured REST APIs** to replace manual inventory workflows and reduce order processing time by 40%.
- Containerized backend services using **Docker** and implemented **CI/CD pipelines with GitHub Actions** for automated **AWS EC2** deployments.

### Alliant Infotech

### Software Engineer Intern

Indore, India

May 2020 – Oct 2020

- Developed **React** UI components and **Python** backend services for production systems, including **REST** endpoints and **MySQL** schema updates.
- Diagnosed and resolved production bugs by reproducing issues locally in **Docker**, tracing root causes across **React + Python** services, and shipping fixes that reduced bug turnaround time by 15%.

## KEY PROJECTS

### TechScope Daily

**FastAPI + React + SQLite**

- Built **FastAPI** based ingestion pipeline integrating Hugging Face models for daily summarization.
- Implemented **CI/CD with GitHub Actions** to automatically deploy the service to **Render**, scheduled daily model inference jobs, and exposed outputs via production **REST API** endpoints.

### Ready-to-Eat

**React + Flask + PostgreSQL**

- Developed Medi-Caps University's food ordering platform featuring 15+ **REST APIs**, real-time order tracking, loyalty rewards, and admin analytics dashboards.

## EDUCATION

### University of Florida

### M.S. Computer and Information Sciences

Gainesville, FL

Aug 2022 – May 2024

### Medi-Caps University

### B.Tech. Computer Science

Indore, India

Aug 2019 – May 2022