

Rohit Rawat

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SUMMARY

Full-stack engineer with production experience owning features end-to-end across Python/FastAPI backends and React/TypeScript frontends. Comfortable taking features from specification through tested, deployed code independently – without waiting for a specialist to hand off. Have built analytics interfaces, AI-integrated platforms, and data-driven dashboards. Strong in schema design, SQL, REST API contracts, and TypeScript type safety. Leverage AI coding tools (Claude Code, Cursor) to ship faster without sacrificing quality.

EDUCATION

Dr. A.P.J. Abdul Kalam Technical University
B.Tech – Computer Science and Engineering — CGPA: 7.68

Lucknow, UP
Nov 2021 – Jul 2025

WORK EXPERIENCE

SparrowBytes Fintech Solutions

Full-Stack Engineer – Internship

Gurugram, Haryana

Aug 2025 – Feb 2026

- Owned and implemented complete features across FastAPI/Python backend routes and React/TypeScript frontend components – took specifications through to tested, deployed code independently across both layers, keeping TypeScript type contracts in sync with backend API changes.
- Built and maintained relational database schemas, SQL queries, and migration logic for production data models – optimised for access patterns under real load and wrote clear query documentation for long-term maintainability.
- Maintained backend and frontend test suites – ensured new features shipped with adequate test coverage, identified system defects proactively, led troubleshooting efforts, and kept existing functionality stable across deployments.
- Participated in structured feedback sessions with cross-functional stakeholders in Agile sprints – translated real usage feedback into concrete improvements in subsequent sprints, and documented complex design decisions for long-term support.

PROJECTS

CampusCompass – AI College Guidance Platform | *Node.js, Next.js, React Native, MongoDB, Groq LLM, AWS* | Live | GitHub

- Built and deployed a full-stack AI platform (Node.js/Express backend, Next.js web, React Native mobile) with JWT auth, AI-driven personalised recommendations via Groq LLM API, and secure S3 file uploads with presigned-URL access control.
- Architected AWS infrastructure independently – Elastic Beanstalk deployment, least-privilege IAM policies, and private S3 bucket configuration; both web and mobile clients consume the same backend API.

NextFlow – Analytics Workflow Platform | *React, TypeScript, FastAPI, PostgreSQL, REST API, Docker, CI/CD* | Live | GitHub

- Owned feature development end-to-end – FastAPI backend routes with documented request/response contracts, React/TypeScript frontend with analytics dashboard components and real-time state updates. Implemented a DAG-based execution engine with async processing, retry logic, and a CI/CD pipeline gating every release.

Document AI Intelligence Platform | *Python, FastAPI, LLM Integration, Prompt Engineering, REST API, Docker* | GitHub

- Built an AI-powered document processing service with LLM-driven Q&A and data extraction – engineered prompts to improve output accuracy, built async request handling, and designed explicit failure recovery paths. Clean, documented codebase structured for the next engineer.

TECHNICAL SKILLS

Backend: Python, FastAPI, Flask, Node.js, Express.js, REST API Design, Async Workflows, JWT Auth, OOP

Frontend: React.js, Next.js, TypeScript, JavaScript (ES6+), HTML5, CSS3, State Management, Component Libraries

Data & Databases: PostgreSQL, MySQL, MongoDB, Redis – Schema Design, SQL, Migrations, Query Optimisation

AI & LLM: LLM API Integration (Groq, Gemini, OpenAI), Prompt Engineering, Agentic Workflows, Claude Code, Cursor

Cloud & DevOps: AWS (Elastic Beanstalk, S3, IAM), Docker, CI/CD (GitHub Actions), Git, Linux

CERTIFICATIONS

AWS Cloud Practitioner – Amazon Web Services Principles of Generative AI – Infosys Springboard DSA with Python – Coding Ninjas Career Essentials in Software Development – Microsoft & LinkedIn