

Saurabh Vishwakarma

Software Developer

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Professional Summary

Recent Computer Science graduate with one year of backend development experience building scalable, containerized systems for 2,000+ users using Python, FastAPI, React, AWS, data structures, algorithms, API integration, cloud deployment, scalability optimization, and modern development practices.

Technical Skills

Python, JavaScript, C++, Go, SQL FastAPI, React.js, LangChain, SQLAlchemy, net/http, Gorm, RESTful APIs, PostgreSQL, Redis, RabbitMQ, Celery AWS (EC2, RDS, Lambda), Docker, CI/CD, Firebase, Grafana Agile, TDD, SDLC, Cloud-Native Applications CQRS, Clean Architecture, DDD, Microservices, Containerization

Work Experience

Prompt Engineer

Outlier AI, Freelance

March 2025 – Present

Remote

- Enhanced LLM code generation through prompt design, curated datasets, and systematic evaluation, improving accuracy by **15%**.
- Developed a Streamlit app to compare AI model responses, incorporating performance metrics for **20+** models.
- Performed systematic **A/B testing** of prompt variations to improve model accuracy by **15%** across coding tasks.

Software Developer Engineer Intern

Hunkaar Labs

January 2024 – January 2025

Bhopal, India

- Developed and deployed **FastAPI + Celery** microservices with an admin dashboard, serving **5,000+** users.
- Reduced infrastructure costs by **25%** by moving backend from AWS EC2 to Dockerized AWS Lambda.
- Integrated Razorpay payments (**700+** transactions, **99%** success) and added LangChain-based **workflow automation**.
- Designed chat using WebSockets, posts and stories with REST APIs, and live streaming via **LiveKit**, achieving **99%** uptime.
- Wrote **Pytest** cases with **80%+** coverage, reviewed peer code, and handled backend deployments.
- Collaborated with frontend and backend teams to deliver features on schedule using Agile methodologies.

Projects

PinSphere: Full-Stack Media Sharing Platform

[GitHub Repository](#)

- Planned scalable architecture and **intelligent search** with Llama 3.2 & Sbert, including **vector embeddings**.
- Optimized storage with **40% compression** and enhanced image/video pipeline via Celery-based BlurHash processing.
- Tech Stack:** FastAPI, React, PostgreSQL, MinIO, Celery, Large Language Models (LLMs), SBERT, AWS (S3, EC2)

Sonnet: High-Scale Logistics Platform - Atlan Assessment Project

[GitHub Repository](#)

- Engineered a scalable logistics system enabling real-time tracking of **50,000+** parcels daily with **<200ms** response time.
- Reduced address errors by **30%** by leveraging Google Maps API instead of OpenStreetMap.
- Tech Stack:** React, FastAPI, SQLAlchemy, PostgreSQL, DaisyUI, Google Maps API, OAuth2 authentication and API auth.

Education

Bachelor of Technology in Computer Science Engineering

NRI Institute of Information Science and Technology - Bhopal

July 2021–May 2025

- Relevant Coursework:** Data Structures and Algorithms, DBMS, Operating Systems, Computer Networks, OOPs.

Achievements & Certifications

- Solved **300+** Data Structures and Algorithms problems on LeetCode, GeeksforGeeks, and Decoder.
- Contributed to open-source projects with bug fixes and feature enhancements for **3+** GitHub repositories.
- Coding Profiles:** [Codolio](#) , [GeeksforGeeks](#) , [LeetCode](#) , [CodeChef](#) , [Dcoder](#)