

Saurabh Vishwakarma

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👉 leetcode

Education

RGPV University

Bachelor of Technology in Computer Science and Engineering

2021 – Expected May
2025

- CGPA: 6.91/10
- **Coursework:** Computer Architecture, Data Structures, Algorithms, Databases, OS, Computer Networks.

Experience

Software Engineer Intern

Blue Mango Labs

Bhopal, MP

Jan 2024 – Dec 2024

- Lead the backend development of an astrology application with FastAPI usingDDD pattern, integrating LiveKit SDK for video streaming and call functionality.
- Deployed infrastructure on AWS EC2 using Nginx, and used S3 for storing objects.
- Wrote Unit testing for the services and Implemented CI/CD pipelines for testing and releases.
- Architected AI-powered response system using Langchain with Anthropic and OpenAI models.
- Implemented comprehensive monitoring through Grafana and Prometheus integration .

Projects

PinSphere: A Dynamic Platform for Multimedia Sharing

[repo link](#) [View Live](#)

- Architected and deployed a scalable social media platform with React frontend, FastAPI backend, and AWS S3 storage, implementing JWT/OAuth2 security to protect user data
- Elevated UX with BlurHash technology for smooth media loading and engineered an automated media compressing and processing pipeline using Celery workers, reducing image load time.
- Designed a modular monolith architecture with a observability via Grafana dashboards.
- Tools Used: Python, FastAPI, React, S3, EC2

Sonnet: A logistic platform

[repo link](#)

- Created a high-scale logistics platform supporting 50M+ users with OAuth2 security and Google Maps integration, achieving 99.9% uptime, 200ms response times.
- Implemented real-time tracking and notification systems processing daily updates with low latency.
- Built with React, FastAPI, SQLAlchemy, PostgreSQL, DaisyUI, and Google Maps API to deliver robust performance and seamless user experience

Skills

Languages & Frameworks: Python, JavaScript, FastAPI, Django, React.js, Langchain

Cloud & Infrastructure: AWS (S3, RDS, EC2), Docker, CI/CD, Nginx

AI & Backend: Langchain integration, RESTfull APIs, PostgreSQL, Redis.

Architecture & Design: Microservices, MVC, Clean Architecture, Domain-Driven Design, Monolithic

Achievements

- Technical Problem Solving: Solved 300+ DSA questions on LeetCode, GeeksForGeeks,Decoder, and Coding Ninja platforms.