Saurabh Vishwakarma

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Experience

Software Development Engineer Intern *Bhopal, MP*
Hunkaar Labs *Jan 2024 – Dec 2024*

- **Kikker** - AI-powered job application browser extension *view ↗*
  - Designed and deployed scalable back-end microservices supporting 2,000+ daily active users.
  - Integrated payment infrastructure, successfully handling 100+ live transactions through Razorpay.
  - Used LangChain and wrote unit/integration test cases for APIs to validate system functionality.
  - Connected Grafana Dashboard with Loki for centralized logging and real-time monitoring of events.
- **Kosmic** - Real-time astrology consultation platform
  - Led back-end and web development during the early stages of a real-time astrology consultation platform.
  - Built real-time chat functionality using WebSockets and built a system for scrollable livestreams.
  - Integrated LiveKit SDK for 1:1 consultation capability, laying the foundation for scalable infrastructure.
- **Tech Stack:** Python, FastAPI, PostgreSQL, AWS (EC2, RDS, S3), Docker, React, OpenTelemetry, Langchain.

Projects

PinSphere: A Dynamic Platform for Multimedia Sharing *repo link ↗*

- Developed a full-stack media sharing platform using React and FastAPI.
- Integrated contextual image search using Llama 3.2 and Sentence Transformers for intelligent search.
- Optimized image/video compression techniques, reducing storage usage by up to 40%.
- **Tools Used:** FastAPI, React, PostgreSQL, Minio, Celery, OAuth2.0, LLMs, Sbert

AI-Powered Interview Simulator: Simulates, scores, and analyzes interviews. *repo link ↗*

- Built an interview simulator using Llama 3.2 for candidate assessment and practice.
- Integrated Google Whisper to enable automated real-time interview conversations and evaluations.
- Creates a performance analytics report that provides improvement recommendations, scoring metrics, and full interview transcripts.
- **Tech Stack:** Python, Google Whisper, LangChain, Llama 3.2, React

Skills

Languages & Frameworks: Python, JavaScript, FastAPI, Django, React.js, Langchain, Go
Cloud & Infrastructure: AWS (S3, RDS, EC2), Docker, CI/CD, Nginx
AI & Backend: Langchain integration, Sbert, RESTAPIs, PostgreSQL, Redis.
Architecture & Design: Microservices, MVC, Clean Architecture, Domain-Driven Design, Monolithic
Soft Skills: Communication, Team work and Active Listening.

Achievements

- Technical Problem Solving: Solved 400+ DSA questions on LeetCode, GFG, and Coding Ninja.
- Global rank below **1000** among millions of users on Decoder.

Education

NIIST Bhopal *July 2021 – May 2025*
BTech in Computer Science and Engineering (7.01 CGPA)

- **Coursework:** Data Structures and Algorithms, Databases, Operating Systems, and Computer Networks.