Saurabh Vishwakarma

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Experience

SDE Intern   *Bhopal, MP*
Hunkaar Labs   *Jan 2024 – Dec 2024*

- **Kikker - AI-powered job application browser extension**   view ⧉
  - Developed backend microservices for Kikker and successfully released alpha and beta versions.
  - Integrated OAuth 2.0 authentication, and Razorpay for payments.
  - Built an AI response system using LangChain with Anthropic and OpenAI models.
- **SuperAstro Mobile App**
  - Led backend development using FastAPI and PostgreSQL for astrology mobile application.
  - Developed real-time chat functionality using WebSockets for consultations.
  - Integrated LiveKit SDK for video streaming and interactive sessions between astrologers and users.
- **Tech Stack:** Python, FastAPI, PostgreSQL, AWS (EC2, RDS, S3), Docker, React, OpenTelemetry, Langchain.

Projects

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

- Built media sharing platform using React and FastAPI with JWT/OAuth2 authentication.
- Implemented AI-powered image search using the Llama3.2-vision model and Sentence Transformers.
- Designed modular monolith architecture with efficient image / video compression that reduces storage requirements by 40%.
- **Tools Used:** FastAPI, React, PostgreSQL, Minio, Celery, OAuth2.0, LLMs, Sbert

AI Interviewer: AI-Powered Talent Evaluation   *repo link* ⧉

- Built an AI-powered 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
Cloud & Infrastructure: AWS (S3, RDS, EC2), Docker, CI/CD, Nginx
AI & Backend: Langchain integration, Sbert, REST APIs, PostgreSQL, Redis.
Architecture & Design: Microservices, MVC, Clean Architecture, Domain-Driven Design, Monolithic

Achievements

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

Education

NIIST Bhopal   *2021 – May 2025*
BTech in Computer Science and Engineering

- **Coursework:** Computer Architecture, Data Structures, Algorithms, Databases, OS, Computer Networks.