# Saurabh Vishwakarma

### **Experience**

SDE Intern

Bhopal, MP

Hunkaar Labs

Jan 2024 – Dec 2024

- Kikker Al-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.
- o 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

Al Interviewer: Al-Powered Talent Evaluation

repo link 🗹

- Built an Al-powered interview simulator using Llama 3.2 for candidate assessment and practice.
- o 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.
- o 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

Al & 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

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