Shivam Rathod

AI/ML & Backend Developer

+91 9340761474 — shivamrathod145@gmail.com — Portfolio — LinkedIn — GitHub

EDUCATION

International Institute of Professional Studies, DAVV   **Indore, India**
*Integrated B.Tech + M.Tech (Information Technology) – **8.73 CGPA***   *Sept 2023 – Jun 2028*

Govt D A Boys H S School No. 2   **Khargone, India**
Class 12 – 77%   *Apr 2021 – Apr 2022*

TECHNICAL SKILLS

Programming: Python, C++, SQL
Frameworks: FastAPI, Django, Flask, Streamlit, LangChain
Tools: Twilio API, MongoDB Atlas, AWS S3, Hugging Face Spaces
AI/ML: TensorFlow, Keras, Scikit-learn, OpenAI API, Hugging Face Transformers
DevOps: Git, GitHub, Render, Vercel, Environment Management
Security: SIEM Tools, Risk Assessment, Network Security

EXPERIENCE

Backend Developer — FieldLens (Freelance Project)   **Remote**
Field Data Verification Platform   *Sept 2025 – Oct 2025*

– Developed the **FastAPI backend** enabling automated field photo verification and job tracking.
– Built a **Twilio WhatsApp** bilingual (English–Hindi) automation guiding technicians through a 14-step workflow.
– Integrated job creation, media handling, and data sync with **MongoDB Atlas**; deployed on **Hugging Face Spaces**.

PROJECTS

- **KrishiMitra-AI — AI Farming Assistant (IBM SkillsBuild PBL 2025):** Led a **7-member team** in IBM's **AI Agent Architect PBL Program** to build a bilingual assistant using **Streamlit**, **OpenAI API**, and live crop/weather data; achieved 90%+ disease detection via **CNN (EfficientNetB0)**. [Live Demo]
- **Resume Forge — AI-Powered Resume Builder:** Built a **Streamlit** app with **KeyBERT + SentenceTransformer** and **Gemini API** for ATS scoring, skill-gap analysis, and content improvement.
- **Campus Compass — Smart India Hackathon 2025:** Developed and coordinated the **FastAPI** backend with Dialogflow routing and **Supabase PostgreSQL**; deployed to cloud infrastructure.
- **ExoQuest — NASA Space Apps Challenge 2025:** Co-developed backend and dashboard for an exoplanet detection model (CNN/Transformer) achieving ~90% accuracy. [Live Demo]
- **Ghost Vault — CyberShield Hackathon 2025:** Collaborated on an ML-based APK threat detector (**Scikit-learn + Androguard**) with 94% detection accuracy and explainability visualization.

CERTIFICATIONS

- **AI Essentials (Google)** – Core AI principles and ethical implementation.
- **GenAI & Cloud Foundations (Google Cloud Study Jam)** – Prompt engineering and deployment.
- **Data Fundamentals (IBM SkillsBuild)** – Data analysis and visualization with Watson Studio.
- **Cybersecurity Foundations (Google + Microsoft)** – SIEM, threat analysis, and secure system design.

ACHIEVEMENTS

- Solved **515+** DSA problems (LeetCode & Coding Ninjas) with consistent practice streaks.
- **Top 8 — IBM SkillsBuild PBL (AI Agent Architect, 2025)** for *KrishiMitra-AI*.
- **Honorable Mention — DC Hackathon 2025** for *Perceptron Visualizer App*.
- Participated in **SIH 2025**, **NASA Space Apps 2025**, and **OpenAI x Nxt Wave Hackathon (KrishiMitra 2.0)**.
- **Global Rank 4900 (Codolio)** — **1128 (CodeChef)**; Maintained active GitHub portfolio and 17.5K+ LinkedIn reach.

EXTRACURRICULAR ACTIVITIES

- **Registration Team — Yuvan 2024–25 (DAVV State Youth Fest)**
- **Event Coordinator — TEDxDAVV (2025)**