

SHAYINI SIDDARDHA

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PROFESSIONAL SUMMARY

Result-driven AI/ML Developer with hands-on experience deploying real-world computer vision and GenAI systems using LangChain and RAG. Completed two AI internships, delivered 15+ projects across machine learning, NLP, data analysis, and web development. Quick learner who picks up new tools and frameworks independently. Seeking a full-time role where I can contribute from day one.

TECHNICAL SKILLS

Languages: Python, JavaScript, Java, C, C++, HTML/CSS

AI / ML: TensorFlow, scikit-learn, LLMs, RAG, NLP, Prompt Engineering, Vector Embeddings, YOLOv12n, BoT-SORT, Kalman Filter

Frameworks & Tools: Flask, LangChain, Node.js, Streamlit, Git, GitHub, SQLite, SQL, NoSQL, Vector Databases

Other: REST APIs, Data Analysis, Databricks Fundamentals, Time-Series Forecasting, Deep Learning, Flutter (basics)

WORK EXPERIENCE

AI Engineer Intern | Infosys Springboard

Feb 2025 – Apr 2025

- Built a smart electricity demand & price forecasting system using Facebook Prophet time-series models, achieving ~95% accuracy on real market datasets.
- Developed Flask backend + Tailwind-styled UI for dynamic date-range inputs with real-time forecast visualization.

AI Engineer Intern | YBI Foundation

Dec 2024 – Jun 2025

- Developed an Air Quality Prediction System for Indian cities using Random Forest Regression on PM2.5, PM10, NOx pollutant data.
- Achieved ~96% AQI category accuracy; built interactive CLI visualizations and data pipelines across multiple city datasets.

PROJECTS

WildGuardAI — Real-Time Wildlife Conflict Prediction | [Link](#)

Aug 2025 – Jun 2026

- Built deep learning system using YOLOv12n + BoT-SORT + Kalman Filter to detect animals crossing forest boundaries from live camera feeds.
- Implemented a **Flask** backend with **SQLite** and GPS-based alerting for forest officers and villagers.
- Research published in IEEE Xplore:** "[Wild Guard AI: Real-Time Wildlife Conflict Prediction](#)" (2026).

JivanMitra — Offline Voice-Only AI Caretaker for Elders | [Link](#)

Jul 2025 – Present

- Built voice-only AI companion for elderly users using LangChain RAG, LLMs, and NLP for context-aware multilingual responses.
- Designed for offline use with local language support, focused on accessibility for non-tech users.

Cyber Crime Forecasting & Analysis in India | [Link](#)

Jan 2025 – Apr 2025

- Streamlit dashboard forecasting cybercrime trends across Indian states using ARIMA and Polynomial Regression (~93% accuracy).

EDUCATION

Bachelor of Technology – CSE (AI & ML)

2022 – 2026

Vignan Institute of Technology and Science, Hyderabad | CGPA: 7.72/10.00

CERTIFICATIONS & ASSESSMENTS

- TCS iON NQT (IT):** Qualified – Dec 2025 | Strong performance in Python & problem-solving
- NPTEL:** Programming with Generative AI – Nov 2025
- Oracle:** Agentic AI Certified Foundations Associate (Jul 2026), Oracle Certified Foundations Associate (Oct 2025)
- Coursera:** Cloud Machine Learning Engineering & MLOps – Dec 2024
- Infosys Springboard:** DSA, AI Primer, Principles of Generative AI, Generative Models for Developers