

Shiva Shankara Vara Prasad

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SUMMARY

AI & ML undergraduate (B.Tech, graduating 2028) with hands-on Python backend development experience building REST API-integrated automation systems using Flask and Django, plus a full-stack production platform on Node.js/Express and MongoDB. Delivered a production automation pipeline for a live client, taking it from local testing to a deployed server handling thousands of daily records. Seeking a Python Developer internship to build and scale backend services.

TECHNICAL SKILLS

Languages: Python, C++, C, JavaScript

Backend Frameworks: Flask, Django, Node.js/Express, REST APIs

Tools & Version Control: Git, GitHub, Postman, VS Code, Linux/Bash (WSL)

Deployment & Integration: Localhost-to-Server Deployment, MongoDB, Redis, IMAP/SMTP, Gemini API

ML/Data (secondary): Scikit-Learn, TensorFlow, Pandas, NumPy

EXPERIENCE & PROJECTS

Code Club, DSA Practice Platform (Personal Project)

React, Node.js/Express, MongoDB, Judge0

- Built a full-stack coding-practice platform with a Node.js/Express REST API, MongoDB/Mongoose data layer, and Judge0-based sandboxed code execution supporting Python, JavaScript, Java, and C++.
- Implemented Firebase Google authentication and Redis-backed caching with automatic in-memory fallback for reliability.
- Deployed the frontend on Vercel and backend on Railway with a CI pipeline via GitHub Actions.

Freelance Python Developer, Fiverr.com

Jun 2025 – Present

- Engineered a biometric data automation pipeline using Python and Flask REST APIs, reducing manual data-entry time by 90% for a remote client.
- Took the application from local development through testing to a live production server, reliably processing 1,000s of daily records.

Auto Email Responder (Python, Django, Gemini API, IMAP/SMTP)

2024

- Built a Django-based email automation system that scans unread emails via IMAP and dispatches safe auto-replies via SMTP.
- Designed rule-based logic with human-in-the-loop safeguards to prevent unsafe automated replies and flag items for manual review.

Burnout Risk Predictor (Python, Scikit-Learn, Streamlit)

2025

- Built a Random Forest/Logistic Regression classifier on employee metadata, reaching 87% accuracy in risk detection.
- Reduced model load time by 40% for real-time inference using Joblib serialization and parallel processing.

Multi-Agent Systems Workshop, TECHKRITI'25 (IIT Kanpur) & Google AI Course

Dec 2024

- Engineered multi-agent Python pipelines using AI frameworks and third-party APIs.

Social Impact Intern (Amigo), InAmigos Foundation India

Oct 2024

- Coordinated outreach for social programs supporting underprivileged communities; tracked campaigns and fundraising impact in spreadsheets.

EDUCATION

Marwadi University, Rajkot, Gujarat

2024 – 2028 (Expected)

Bachelor of Technology, Artificial Intelligence and Machine Learning

Relevant Coursework: Machine Learning, Data Structures & Algorithms, Python Programming, Java, Web Development

CERTIFICATIONS

- Responsive Web Design, freeCodeCamp Web Development Certification
- TECHKRITI, Technical event participation, IIT Kanpur
- Networking Fundamentals, Cisco Networking Academy
- Java Programming, Oracle Academy

ACHIEVEMENTS

- Completed Google's 5-day AI intensive course, building multi-agent systems with certification
- Event Coordinator, MU IDEA'2025: built connections with startups and investors
- Cleared internal round of Smart India Hackathon 2025 (150+ competing teams)