SHARON HEPSIBAH GADI

Andhra Pradesh, India

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Professional Summary

Computer Science graduate specializing in building AI-powered systems, automation workflows, and scalable backend infrastructure. Experienced in developing LLM-driven applications, REST APIs, and microservices using Python, FastAPI, and Docker. Strong understanding of APIs, JSON, webhooks, and workflow orchestration, with hands-on experience designing automation pipelines and AI-assisted tools. Passionate about leveraging Agentic AI and orchestration platforms to eliminate manual processes and accelerate development cycles. Focused on building high-impact internal tools, automation engines, and intelligent systems that improve operational efficiency and scalability.

Work Experience

Data Analytics Intern <div align="right">**Unified Mentor**</div>
3-month internship <div align="right">*August 2025 - November 2025*</div>

- Trained on real-world Data Analytics projects under professional mentorship.
- Developed hands-on experience in data cleaning, visualization, and analysis using industry-standard tools.
- Collaborated on end-to-end project workflows, from data collection to insight generation.
- Enhanced problem-solving and analytical skills through structured learning modules and practical assignments.

Skills

- **Programming:** Python, JavaScript (basics), SQL
- **APIs & Automation:** REST APIs, Webhooks, JSON, API Integration, Workflow Automation, Async Processing
- **Agentic AI & LLMs:** Prompt Engineering, LLM Workflows, OpenAI API, Claude API, AI Automation, Tool Integration
- **Backend & Systems:** FastAPI, Flask, Microservices, Background Workers, System Design Fundamentals
- **Workflow Orchestration:** n8n (learning), Automation Pipelines, Event-driven Architecture
- **Deployment & Infrastructure:** Docker, Git, GitHub Actions, CI/CD, Linux
- **Data & Logic Handling:** Data Processing, ETL Pipelines, Structured Data Handling, Logic Flow Design
- **Cloud & Tools:** AWS (basics), GCP (basics), Postman, MLflow

Projects

AI Knowledge Mentor (NLP + LLMs)
Built an NLP-based AI system for content extraction, summarization, and automated quiz generation using Python. Refactored the solution into scalable microservices with asynchronous processing and deployed using Flask, Docker, and GitHub Actions. Link

Malaria Detection App (Computer Vision)
Developed a Computer Vision model to detect malaria from medical images. Deployed the model via a Flask microservice using Docker, reducing inference latency by 30%.GitHub Link

AI Agent Workflow Automation System (n8n + OpenAI + APIs)
Built automated workflows using n8n integrating OpenAI API, webhooks, and external services to process and transform data. Designed event-driven pipelines enabling AI agents to summarize, classify, and generate structured outputs automatically. Demonstrated workflow orchestration, API integration, and Agentic AI-based automation. GitHub Link

Instagram Fake Account Detection(ML)
Built a Random Forest model to detect fake social networks using behavioral features. Achieved 89% precision on a dataset of 5,000+ profiles through effective feature engineering. GitHub Link

High-Availability Task Manager API
Built a scalable FastAPI REST service with asynchronous request handling.Integrated MySQL, Docker, CI/CD, with retries, background workers, and optimized connection pooling. GitHub Link

Certifications

- Python Essentials – VITyarthi 2023
- Applied Machine Learning in Python - Coursera
- Gen AI – IBM 2025
- Blockchain Developer - IBM 2025
- Insights on Computational Data Science - IU Indianapolis

Achievements & Awards

- Participated in Smart India Hackathon 2024; developed a prototype for a college attendance system.
- Solved 250+ problems on LeetCode and HackerRank, focusing on data structures and algorithms.
- Presented a poster on "Applications of AI in Healthcare" at VIT Tech Fest 2023.
- Volunteered as event coordinator for Coding Club competitions at VIT.

Technical Interests

- Data Engineering and ETL Pipelines
- Machine Learning and Applied AI Systems
- Large Language Models (LLMs) and Generative AI
- Data Analysis, Visualization, and Analytics Engineering
- Model Deployment, MLOps, and Scalable AI Infrastructure
- Cloud-based Data and AI Platforms

Education

Vellore Institute of Technology, Bhopal, Bachelor of Technology in Computer Science
Specialization: Artificial Intelligence and Machine Learning   **CGPA: 8.32**   Sept 2022 – Present
Tirumala Junior College, Intermediate (High School)   **Score: 91.9%**   May 2022
Tirumala EM School, 10th Standard   **Score: 99%**   June 2020