

SHARON HEPSIBAH GADI

Andhra Pradesh, India

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Professional Summary

Motivated Computer Science graduate with strong foundations in Python, SQL, statistics, and machine learning, and hands-on experience building data-driven and AI-powered applications. Skilled in data cleaning, analysis, model development, and deploying ML systems using modern tools and cloud platforms. Experienced in developing end-to-end ML and LLM-based workflows, REST APIs, and analytical dashboards. Passionate about solving real-world problems using data and AI, with a strong learning mindset and interest in Data Engineering, Machine Learning, and scalable AI systems.

Work Experience

Data Analytics Intern

3-month internship

Unified Mentor

August 2025 - November 2025

- 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 & Core Fundamentals:** Python, Java, C++, SQL, Data Structures & Algorithms, OOP, Statistics, Probability
- **Data Analysis & Processing:** Pandas, NumPy, Data Cleaning, EDA, Feature Engineering, Data Validation
- **Machine Learning & AI:** Scikit-learn, TensorFlow, Supervised & Unsupervised Learning, Model Evaluation, Optimization
- **LLMs, NLP & Computer Vision:** Text preprocessing, classification, summarization, Prompt Engineering, LLM workflows, Computer Vision pipelines
- **Backend & Deployment:** FastAPI, Flask, REST APIs, Model Serving, Docker, MLflow
- **Cloud & Tools:** AWS (basics), GCP (basics), Git, GitHub, CI/CD
- **Visualization & BI:** Matplotlib, Power BI, Tableau, Dashboarding, Insight Presentation

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](#)

Lecture-to-Quiz Generator (NLP)

Developed an NLP-based AI tool that converts lecture transcripts into automated quizzes and flashcards. Implemented key-topic extraction and question generation, improving learning efficiency through automated content understanding. [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

May 2022

Tirumala Junior College, Intermediate (High School) **Score: 91.9%**

Tirumala EM School, 10th Standard **Score: 99%**

June 2020