

SHARON HEPSIBAH GADI

Andhra Pradesh, India

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Education

Vellore Institute of Technology, Bhopal, Bachelor of Technology in Computer Science

Specialization: Artificial Intelligence and Machine Learning CGPA: 8.35

Sept 2022 – Present

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

May 2022

Tirumala EM School, 10th Standard Score: 99%

June 2020

Skills

- **Languages:** Python, C++, Java, SQL, HTML, CSS, JavaScript
- **Frameworks & Libraries:** Flask, Streamlit, TensorFlow, NumPy, Pandas, Scikit-learn, Bootstrap
- **Tools & Platforms:** Git, GitHub, Figma, MySQL, Firebase, Docker (basics), Google Cloud (basics)
- **Soft Skills:** Problem-solving, Team Collaboration, Communication, Time Management, Adaptability
- **Data Visualization:** Tableau, Power BI, Matplotlib, Seaborn
- **Cloud Big Data:** AWS, Azure, GCP, Apache Spark

Certifications

- Computer Vision – VITyarthi 2024
- Python Essentials – VITyarthi 2023
- Applied Machine Learning in Python
- Gen AI – IBM 2025
- Blockchain Developer - IBM 2025
- IU Indianapolis Insights on Computational Data Science

Projects

TextMorph

Advanced NLP pipeline for text preprocessing including tokenization, lemmatization, and stopword removal. Performs sentiment analysis using VADER and language detection with langdetect. [GitHub Link](#)

Malaria Detection App

Deep learning system using CNN architecture (ResNet-50) to classify blood smear images with 94% accuracy. Includes Flask-based web interface for easy medical professional usage. [GitHub Link](#)

Laptop Price Predictor

Regression model (XGBoost) trained on 1,000+ laptop specs from Flipkart/Amazon. Features include processor type, GPU, and RAM. Web interface built with Flask and Bootstrap. [GitHub Link](#)

Instagram Fake Account Detection

Binary classifier using Random Forest to detect fake profiles with features like follower ratio and post frequency. Achieved 89% precision on test dataset of 5,000 profiles. [GitHub Link](#)

ISS Tracker

Real-time visualization using NASA's ISS position API with Plotly.js for interactive mapping. Includes trajectory prediction and next pass timing for user's location. [GitHub Link](#)

Achievements & Awards

- Participated in Smart India Hackathon 2024; developed a prototype for a college attendance system using face recognition.
- Solved 250+ problems on LeetCode and HackerRank, focusing on data structures and algorithms.
- 5-star badge in Python on HackerRank.
- 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 Visualization, Statistical Modeling, Business Intelligence, Predictive Analytics, Data Storytelling, SQL Query Optimization, Computer Vision, Natural Language Processing, Full Stack Development, Blockchain Applications, Knowledge of financial markets or interest in financial technologies