Addepalli Manobhiram Gupta

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Executive Summary

Executed end to end data preprocessing and feature preparation for **10 datasets** using **Python**, improving data quality and reducing preprocessing time by **18%** to support downstream modeling and analysis.

Experience

EduSkills Remote

AI-ML Virtual Internship (AWS Academy) *April 2025 – June 2025*

- Completed an AWS Academy AI-ML virtual internship focused on applied machine learning workflows.
- Prepared and cleaned structured datasets using Python and Pandas for model training and evaluation.
- Implemented feature scaling, encoding, and validation techniques to improve data consistency.
- Reduced manual data preparation time by **3 hours per day** through reusable preprocessing scripts.

Education

Vishnu Institute of Technology Bhimavaram, Andhra Pradesh

B.Tech in Computer Science and Engineering (AI & ML) — CGPA: 8.85 *Sept 2023 – May 2027*

Narayana Junior College Ongole, Andhra Pradesh

Intermediate — Percentage: 97.3% *June 2021 – March 2023*

Sri Chaitanya Techno School Chimakurthy, Andhra Pradesh

Secondary School — Percentage: 100% *June 2020 – April 2021*

Projects

Sales Price Dashboard (GitHub) Sept 2025

Data Analytics Project — Power BI Dashboard

- Built an interactive Power BI dashboard to analyze sales performance across regions, segments, and ship modes.
- Defined KPIs including total sales of **2M**, profit of **286K**, quantity of **38K**, and discounts of **2K**.
- Designed drill down visuals enabling region wise, segment wise, and time series analysis.
- Enabled faster insight discovery by consolidating multi dimensional sales data into a single dashboard.

X-Ray Image Detection Using CNN (GitHub) June 2025

Deep Learning Project — Streamlit Application

- Developed a CNN based model for X-ray image classification using **4,000 medical images**.
- Applied image preprocessing and augmentation to improve model generalization.
- Improved classification effectiveness with a **0.05** increase in F1 score.
- Deployed the model via a Streamlit interface with inference latency under **2 seconds**.

Breast Cancer Detection System (GitHub) Aug 2024

Machine Learning Project — Flask Web Application

- Trained a Random Forest classifier on **569 patient records** with **30 clinical features**.
- Selected the top **10 features** based on importance scores.
- Achieved a prediction accuracy of **95.61%**.
- Built a **Flask** web interface for real time prediction serving with **sub 1 second** latency.

Technical Skills

Programming Languages: Python, Java, C
Machine Learning and Deep Learning: Supervised Learning, Unsupervised Learning, Feature Engineering, Model Evaluation, Convolutional Neural Networks (CNN)
Libraries and Frameworks: scikit-learn, Pandas, NumPy, Matplotlib, Seaborn, TensorFlow, Keras
Databases: MySQL
Tools and Platforms: Power BI, Google Colab, Jupyter Notebook, GitHub, VS Code