Dummani Leena Varma

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leetcode.com/u/varma_leena   linkedin.com/in/-leena-varma-   github.com/varmaleena   leena-varma-portfolio.streamlit.app

Summary

Results-oriented Data Science professional with proven expertise in Python, SQL, machine learning, and statistical analysis. Skilled in cleaning, modeling, and visualizing complex data to deliver actionable business insights and predictive analytics. Adept at leveraging LLM-powered tools and innovative AI solutions to solve real-world problems, with a strong foundation in statistics and collaboration.

Technical Skills

Languages: Python, SQL, Java, C++, C

Libraries/Frameworks: Pandas, NumPy, Scikit-learn, Matplotlib, Seaborn, OpenCV, MediaPipe, BeautifulSoup, Streamlit, Flask

Tools and APIs: OpenAI API, Perplexity, Power BI, Git, REST APIs, Selenium

Concepts: Machine Learning, Deep Learning, Natural Language Processing (NLP), Data Mining, Feature Engineering, Statistical Analysis, Data Modeling, Prompt Engineering, EDA, Visualization, Web Scraping, Model Evaluation, LLM

Projects

DSA Learning Hub (Streamlit, Python, Data Structures Visualization) — GitHub *Aug 2025*
- Developed an interactive DSA Learning Hub using Streamlit in Python, featuring visualizations for data structures and algorithms to enhance learning experiences.
- Implemented step-by-step algorithm animations, navigable views, and game-like interactions for arrays, linked lists, stacks, queues, trees, and graphs.
- Showcased problem-solving skills in Python, UI design, and deployment, with a live demo link for portfolio demonstration.

Agentic Content Creator (OpenAI + Perplexity + Ollama Llama) — GitHub *Jul 2025*
- Developed an autonomous AI-powered content planning tool using OpenAI, Perplexity APIs, and Ollama Llama .
- Implemented agent workflows for dynamic content ideation, analysis, and optimization via interactive Streamlit dashboard.
- Enabled REST API integrations for seamless data orchestration and user customization.

Sign Language Recognition System (ASL − ML, Computer Vision) — GitHub *Aug 2024 – Nov 2024*
- Built a real-time ASL recognizer using OpenCV and MediaPipe; trained Random Forest classifier achieving 98.2% accuracy.
- Engineered features from live hand landmarks for improved model prediction.
- Developed and deployed RESTful APIs via Flask for interactive web-based usage.
- Managed project versioning and collaboration through Git; optimized preprocessing and feature selection for robustness.

IPL Performance Dashboard (2008–2025) — GitHub *Jul 2025*
- Built a Power BI dashboard analyzing 17 IPL seasons with dynamic KPIs (Win Ratios, NRR, Caps).
- Created DAX measures and slicers for intuitive insights and comparison across teams/players.
- Designed for business intelligence and historical pattern discovery.

Nykaa Product Insights (Web Scraping + Data Mining + EDA) — GitHub *Jun 2025*
- Scraped 1200+ product listings using BeautifulSoup and Requests from Nykaa healthcare.
- Conducted univariate and bivariate data mining analysis on pricing, rating, brands, and discounts.
- Visualized patterns with Seaborn/Matplotlib; identified price outliers and brand performance.

Grocery Store Management System (SQL, Data Modeling) — GitHub *May 2025*
- Designed a normalized relational database model with customer, billing, inventory, and employee modules.
- Optimized complex joins, subqueries, and aggregates to support sales and performance insights.
- Applied indexing and normalization to improve query performance.

Education

Gokaraju Lailavathi Women's Engineering College *2021–2025*
B.E. – Information Technology
CGPA: **8.24**

Certifications & Achievements

Advanced Data Science Program – Innomatics Research Labs (Ongoing, 2025)

Supervised Machine Learning (Coursera) – Stanford Online (Andrew Ng)

Python Programming – Infosys Springboard