RISHITA PRIYADARSHINI SARAF

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EDUCATION

Vellore Institute of Technology, Bhopal   2022- 2026
BTech In Computer Science and engineering | CGPA: 8.76   (expected)

TECHNICAL SKILLS

- **Programming Languages:** Python, C++
- **Databases:** MySQL
- **Technical Skills:** LLM, RAG, Data Analysis, Microsoft Excel, Power BI, SQL, Machine Learning Algorithms, Deep Learning, NLP, Image Processing, Generative AI
- **Tools & Frameworks:** Pandas, NumPy, Matplotlib, Seaborn, Scikit-learn, TensorFlow, Keras, OpenCV

UNIVERSITY PROJECTS

Story Generator App (Google Gemini + Streamlit)   August, 2025
- Developed a Generative AI web application powered by Google's Gemini API to generate creative and contextually coherent stories from user prompts.
- Designed an intuitive Streamlit interface for seamless user interaction, real-time generation, and response refinement.
- Implemented prompt engineering strategies to optimize output quality, tone, and storytelling consistency.
- Tech Stack: Python, Streamlit, Google Gemini API, dotenv, Prompt Engineering

Brain Tumor Detection using CNN   May, 2025
- Developed a CNN-based model in PyTorch to classify MRI scans as Tumor or Healthy, achieving high accuracy and reliable predictions.
- Implemented a custom dataset class, preprocessing pipeline, and train-validation split to ensure robust and generalizable model training.
- Visualized model performance using confusion matrices, feature maps, and loss curves, providing insights into accuracy, overfitting, and feature learning.
- Tech Stack: Python, PyTorch, OpenCV, NumPy, Matplotlib, Seaborn, scikit-learn

Sales Performance Dashboard using Power BI   Jan, 2025
- Developed an interactive Power BI dashboard to visualize key sales metrics such as sales by country, product category, and order-discount relationships.
- Performed data cleaning, transformation, and aggregation to ensure accurate, actionable insights from raw Excel data.
- Designed custom visuals including tree maps, funnel charts, gauges, and line graphs to highlight trends, correlations, and business opportunities.
- Tech Stack: Power BI, Excel, Data Transformation, Visualization.

WORK EXPERIENCE

Data Analyst Intern - NullClass (Remote)   Jan 2025 – Feb 2025
- Analyzed Google Play Store app reviews and created an interactive HTML dashboard using Plotly.
- Performed data preprocessing and extracted sentiment trends to guide app improvements.
- Tech Stack: Python, Pandas, Plotly, Matplotlib, Seaborn, Jupyter Notebook

Data Science Intern - Cognifyz Technologies (Remote)   Dec 2024 – Jan 2025
- Developed a linear regression model to predict restaurant ratings using customer data
- Conducted data cleaning, feature selection, and visualized insights using Seaborn and Matplotlib.
- Technologies: Python, Pandas, Matplotlib, Seaborn, Scikit-learn

ADDITIONAL INFORMATION

Certifications:
- Oracle Data Science Professional Certificate
- IBM GEN AI Using IBM Watsonx certificate

Achievements: Ranked 78th in the Zelestra Hackathon on HackerEarth for building a solar panel efficiency prediction model using XGBoost, achieving 89.88% accuracy.