RISHITA PRIYADARSHINI SARAF

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EDUCATION

Vellore Institute of Technology, Bhopal 2022- 2026
BTech In Computer Science and engineering CGPA: 8.77 (expected)

TECHNICAL SKILLS

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

UNIVERSITY PROJECT

AI Driven Google Play Analytics Dashboard July, 2025

- Built an interactive Plotly dashboard analyzing 10,000+ app reviews to uncover trends in user sentiment, category performance, and monetization patterns.
- Performed complete data wrangling, feature engineering, and NLP-based sentiment analysis to generate actionable business insights.
- Implemented advanced time-based, category-level, and rating filters to create dynamic visualizations used by stakeholders for decision-making.
- Tech Stack: Python (Pandas, NumPy, Plotly), NLP (NLTK VADER), Scikit-learn, Netlify Deployment.

Sales Performance Dashboard using Power BI June, 2025

- Designed an interactive Power BI dashboard to analyze sales by country, product category, and cost metrics, enabling clear visibility into business performance.
- Performed data cleaning, modeling, and transformation in Power BI (Power Query) to correct errors, remove noise, and prepare the dataset for accurate reporting.
- Built tree maps, funnel charts, gauges, and line graphs to uncover trends in sales distribution, pricing, and discount–quantity relationships for stakeholder insights.
- Tech Stack: Power BI, Power Query, Excel (Data Loading & Cleaning).

Driver Drowsiness Detection using YOLOv5 May, 2025

- Developed a real-time driver monitoring system using YOLOv5 to classify awake vs. drowsy states from live webcam footage.
- Collected and annotated a custom dataset, trained YOLOv5 from scratch, and optimized the model for accurate real-time inference.
- Built an end-to-end pipeline including dataset creation, preprocessing, model training, and deployment-ready inference scripts.
- Tech Stack: Python, YOLOv5, PyTorch, OpenCV, LabelImg.

WORK EXPERIENCE

Data Science Intern - Cognifyz Technologies 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, Scikit-learn

Data Analyst Intern - NullClass 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.
- Tools: Python, Pandas, Plotly, Jupyter Notebook

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.