RISHITA PRIYADARSHINI SARAF

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EDUCATION

VIT BHOPAL UNIVERSITY 2022- 2026
BTech In Computer Science and engineering | CGPA: 8.67 (expected)

Narayana Junior College 2020-2022
Narayana Junior College, Narayanguda SSC (CLASS XII) | Aggregate: 92.8%

High School 2010-2020
St. Joseph's School, Habsiguda ICSE (Class X) | Aggregate: 96.4%

TECHNICAL SKILLS

- **Programming Languages:** Python, C++, Java, 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, Keras, OpenCV

UNIVERSITY PROJECTS

BRAIN TUMOR DETECTION

- Built and trained a custom CNN model in PyTorch for brain tumor detection from MRI scans, applying deep learning techniques to achieve 100% training accuracy.
- Applied data preprocessing, designed a custom Dataset class with train/validation split, and utilized model interpretability through feature map visualization and confusion matrix analysis.

DRIVER DROWSINESS DETECTION

- Developed a driver drowsiness detection system using OpenCV, dlib, and Python, utilizing facial landmark localization to monitor eye closure and enhance road safety.
- Implemented a drowsiness detection algorithm that triggers an alarm if eye closure exceeds a threshold, and conducted practical tests to ensure reliable alerts when the driver shows signs of drowsiness.

WORK EXPERIENCE

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, Scikit-learn

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.
- Tools: Python, Pandas, Plotly, Jupyter Notebook

ADDITIONAL INFORMATION

Certifications:

- Oracle Data Science Professional Certificate
- IBM GEN AI Using IBM Watsonx certificate
- GFG Data Science and Machine Learning Course Certificate

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

Interests: Artificial Intelligence, MLOps and Model Deployment, Generative AI & Foundation Models and Open Source Contributions.