

RISHITA PRIYADARSHINI SARAF

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SKILLS

- **Programming Languages:** C++, Python, C, Java, JavaScript
- **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

WORK EXPERIENCE

Data Science Intern | Cognifyz Technologies

- Analyzed restaurant datasets and performed linear regression to uncover trends and predict key business metrics.
- Collaborated with senior data scientists to improve machine learning models and contributed to predictive analytics projects.

Data Analyst Intern | NullClass

- Conducted Google Play Store analysis, using Plotly to create interactive visualizations and derive business insights.
- Developed SQL queries for efficient data extraction and created reports to present key performance metrics.

UNIVERSITY PROJECTS

BRAIN TUMOR DETECTION

- Developed a deep learning model using CNNs to detect and classify brain tumors from MRI scans, applying preprocessing techniques like normalization, augmentation, and segmentation to ensure high-quality input data.
- Designed and trained the model with TensorFlow and Keras, utilizing transfer learning and fine-tuning for enhanced performance, and evaluated it with metrics such as accuracy, precision, recall, and F1-score.

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.

EDUCATION

VIT BHOPAL UNIVERSITY

BTech In Computer Science and engineering | CGPA: 8.67

2022- 2026

(expected)

Narayana Junior College

Narayana Junior College, Narayanguda SSC (CLASS XII) , Aggregate: 92.8%

2020-2022

High School

St. Joseph's School, Habsiguda ICSE (Class X), Aggregate : 96.4%

2010-2020

ADDITIONAL INFORMATION

Certifications: Oracle Data Science Professional Certificate, IBM GEN AI Using IBM Watsonx certificate, GFG Data Science and Machine Learning Course Certificate, NPTEL Cloud Computing 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.