RISHITA PRIYADARSHINI SARAF

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github.com/Rishita-P-Saraf

SKILLS

- **Programming Languages:** C++, Python, C, Java, JavaScript
- **Databases:** MySQL
- **Technical Skills:** Data Analysis, Machine Learning Algorithms, Deep Learning, Power BI, SQL, Data Visualization, Microsoft Excel, NLP
- **Tools & Frameworks:** Pandas, NumPy, Matplotlib, Seaborn, 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.

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   **2021- 2026**
BTech In Computer Science and engineering | CGPA: **8.61**   **(expected)**

Narayana Junior College   **2020-2022**
Narayana Junior College, Narayanguda SSC (CLASS XII) , Aggregate: 92%

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

ADDITIONAL INFORMATION

- **Certifications:** GFG Data Science and Machine Learning Course Certificate, NPTEL Cloud Computing Certificate, Coursera Supervised Machine Learning Specialization Certificate
- **Managed Advitya:** Organized Advitya, a major event with technical competitions and workshops, including coding challenges and seminars, highlighting the latest in technology.
- **Interests:** High-Performance Computing, Artificial Intelligence, Data-Driven Product Development and Open Source Contributions.