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

SoEfficient: ML-Based Solar Panel Performance Forecasting
- Engineered and preprocessed large-scale sensor datasets by imputing missing values, encoding categorical variables, and generating advanced features to improve model interpretability and predictive accuracy.
- Developed and evaluated regression models (XGBoost, Ridge, RidgeCV) for solar panel efficiency prediction, achieving a validation RMSE of ~0.10 and conducting hyperparameter tuning using GridSearchCV to optimize performance.

E-Commerce Customer Segmentation Using Clustering
- Performed customer segmentation analysis on e-commerce data using unsupervised learning techniques including K-Means, DBSCAN, and Hierarchical Clustering to identify high-value customer groups and purchasing patterns.
- Engineered key customer features and applied elbow method, silhouette scores, and dendrogram analysis to determine optimal clusters and improve business targeting strategies.

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: 92.4%

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