

RISHITA PRIYADARSHINI SARAF

rishitasarafp@gmail.com | P: +91-9490463841 | www.linkedin.com/in/rishita-priyadarshini-saraf | github.com/Rishita-P-Saraf

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

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.