

RISHITA PRIYADARSHINI SARAF

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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

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

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.

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.