

# Rupali Narayan

+91 9066459105 | rupalinarayan@gmail.com | [Linkedin](#) | [Github](#)

---

## TECHNICAL SKILLS

- **Language and Databases:** Python, MySQL server, MongoDB
  - **Statistical Analysis:** Exploratory Data Analysis, Inferential and Descriptive statistics
  - **Machine Learning:** Classification Algorithm, Regression Algorithm, Clustering Techniques, Dimensionality Reduction
  - **Visualization Tools & Others:** Tableau, PowerBI, Matplotlib, Seaborn, Advanced Excel, Data analysis, Data Annotation, Data Labeling, MS Word
- 

## WORK EXPERIENCE

### Learnbay

#### Data Analyst Intern

Apr 2024 - Present

#### Inventory Structure Management System (SQL Project)

- Developed an **SQL-based system** to manage suppliers, products, stock, and orders.
- Implemented features like reorder levels and automated ID generation for entities.
- Designed and optimized relational databases for efficient inventory control.

### BYJU'S

#### Academic Specialist

Nov 2021 - Apr 2024

#### Project: Student Performance Analysis and Prediction

- Objective: Predicted student's exam performance using **linear regression** to identify at-risk students and enable targeted interventions.
- Model: Achieved **88% accuracy** with linear regression, outperforming other regression models.
- Outcome: Provided actionable insights to identify dropouts and students needing special attention, assisting educators in personalized advising and counseling.
- **Tools:** Python, Pandas, NumPy, Scikit-learn, Matplotlib, Seaborn.
- Assisted in developing curricula aligned with industry standards.
- Extracted and analyzed student performance data using MS Excel, using graphs and insights to communicate academic and behavioral concerns to parents.
- Facilitated interactive online sessions for students, fostering engagement and collaborative learning.

### 90+ MyTuition

#### Lead Teacher

Apr 2021 - Oct 2021

- Utilized diverse teaching methods to optimize individual and group learning.
  - Identified student needs and collaborated with staff to address challenges.
  - Trained teachers on using educational software effectively.
  - Led engaging online Chemistry classes for students across various age groups.
- 

## PERSONAL PROJECTS

### Credit Card Fraud Detection

- Developed a machine learning model to detect fraudulent transactions on an imbalanced dataset. **May 2020**
- Applied data preprocessing, feature scaling, and handled imbalance with techniques like SMOTE.
- Used algorithms such as **Logistic Regression**, **Random Forest**, and **XGBoost**, achieving high accuracy(99%) and precision(98%).

### Retail Customer Segmentation Project

May 2018

- Conducted **market basket analysis** to uncover product association patterns, significantly enhancing cross-selling strategies.
  - Utilized **K-means clustering** to effectively segment retail customers, enabling targeted marketing efforts tailored to each group.
  - Employed **PCA** for dimensionality reduction, optimizing model performance and enhancing data visualization.
- 

## CERTIFICATION

- **Python** for Data Science
  - **Statistics** and **Machine learning**
  - **SQL** and **MongoDB**
  - **Tata Data Visualization : Empowering Business with Effective Insights Job Simulation on Forage - Nov 2024**
- 

## EDUCATION

- MSc ( Organic Chemistry R.Y.K Science College, Nashik (2020)
- BSc. Ed ( PCM ) Regional Institute of Education Mysore, Karnataka (2018)