



# MRUNAL BABAR

DATA SCIENTIST

Pune

Analytical professional with a background in banking and edtech as a Foreign Exchange Manager, seeking to transition into data science. Eager to leverage advanced analytics, machine learning, and statistical modeling to solve complex problems. Committed to delivering actionable insights that drive business growth and innovation. Passionate about continuous learning and contributing to data-driven decision-making

## TECHNICAL EXPERTISE:

- **Programming Languages: Python, SQL**
- **Data Analysis & Visualization:**
  - Pandas, NumPy, Matplotlib, Seaborn
  - Power BI, Tableau, or any other visualization tools
  - Excel (Advanced: Pivot Tables, Data Analysis ToolPak)
- **Machine Learning & Statistical Modeling:**
  - Supervised & Unsupervised Learning (e.g., Regression, Classification, Clustering)
  - Libraries: Scikit-learn, TensorFlow, Keras, XGBoost
  - Time Series Analysis, Forecasting
  - Deep Learning (if applicable)
- **Data Preprocessing & Feature Engineering:**
  - Data Cleaning, Transformation, and Wrangling
  - Handling Missing Values, Outliers, Categorical Data Encoding
- **Database Management & Querying:**
  - SQL (Advanced queries, Joins, Subqueries, etc.)
  - Database systems: MySQL, PostgreSQL, MongoDB (if applicable)
- **Cloud Platforms (Optional):**
  - AWS, Google Cloud Platform (GCP), Microsoft Azure
  - Cloud-based data services (e.g., AWS S3, Redshift, BigQuery)
- **Version Control:**
  - Git, GitHub
- **Other Tools:**
  - Jupyter Notebooks, VS Code, PyCharm

## DOMAIN EXPERTISE (BANKING):

- **Customer Analytics:** Segmenting customers, predicting churn, and assessing lifetime value to enhance customer targeting and personalization.
- **Risk Management:** Building models for credit scoring, fraud detection, and anti-money laundering (AML) to identify and mitigate risks.
- **Regulatory Compliance:** Implementing KYC processes, ensuring accurate reporting, and protecting data privacy to meet industry regulations.
- **Product Personalization:** Creating recommendation systems for financial products, setting competitive pricing, and offering tailored financial advice.
- **Operational Efficiency:** Automating processes, enhancing customer support, and optimizing transaction handling to reduce costs and improve service.



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Pune

## SKILLS

- Impeccable Communication
- Problem-Solving
- Critical Thinking
- Data Storytelling
- Collaboration and Teamwork
- Business Acumen
- Attention to Detail

## EDUCATION

### BACHELOR OF ENGINEERING ( MECHANICAL)

62.5%

2013-2017

Savitribai Phule Pune University (PUNE  
UNIVERSITY)

### HIGHER SECONDARY SCHOOL CERTIFICATE (HSC)

64.5%

2011\_2013

### SECONDARY SCHOOL CERTIFICATE (SSC)

89.27%

2010-2011

## EXPERIENCE

### ICICI BANK

FEB 2023- AUG 2023

FOREX DEPUTY MANAGER

- worked as Privilege Banking Relationship Manager wherein managed Customer 360-degree investment portfolio.
- Handled service requests related to all Branch Banking transactions
- FPR for all foreign-related transactions for the entire region (9 retail banking branches).
- Achieved and excelled in the sales target for the allocated region.(Monthly approx. 20 Lakh USD outward remittance and forex card transactions).

### WhiteHat Jr/ BYJU's Future School

OCTOBER 2020 – DECEMBER 2022

INSTRUCTOR/ACADEMIC COUNSELOR (CODING)  
(TEACHER MENTOR)

- Conducted online classes for students from different countries. (India, Australia, UK, USA, Canada)
- Worked as Teacher Mentor wherein responsible to train other teachers, Conducted several webinars on teacher training and quality improvement.
- 1800+ hours of live class online teaching with an exclusive 4.8 student rating.
- worked as Assessment and Report Specialist
- Involved in creation of "Student Centric Projects" to foster creativity and active classroom participation of student in 'virtual classrooms'.
- successful completion of various training and LMS sessions on child sociology and "Student centric Education"
- Ensured creative and interesting learning amongst student through dynamic and visual learning.
- Education Technology: experience in using 'Interactive Whiteboards', 'Virtual Classrooms' and various 'Video Conferencing Tools'.

## PROJECT:

### ***Credit Card Class Detection***

- **Objective:** Developed a model to classify credit card types based on customer data and spending patterns, aiming to enhance product targeting and customer segmentation.
- **Techniques and Tools:** Utilized machine learning algorithms with Scikit-learn for classification and Pandas for data preprocessing and feature engineering; visualized insights with Seaborn and Matplotlib.
- **Outcome:** Improved model accuracy around 95% to classify credit card types, potentially increasing marketing efficiency and customer engagement.

## DECLARATION:

I hereby declare that the information provided in this resume is true and correct to the best of my knowledge and belief.