

RABI SHAIKH

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Portfolio Website

EDUCATION

Veermata Jijabai Technological Institute (VJTI)

Mumbai, India

Bachelor of Engineering in Information Technology

2022 – 2026

Sakcet College of Arts, Science & Commerce

Mumbai, India

Higher Secondary Education (12th Grade)

2020 – 2022

INTERNSHIP EXPERIENCE

Sakura Biotech

Mumbai, India

Machine Learning Intern (Onsite)

Jun 2025 – Aug.2025

- Developed and deployed a real-time algae monitoring system using an LSTM model trained on 1,400+ sinusoidal pH readings, achieving 92.4% accuracy (MAE: 0.12) for 30-step forecasting.
- Deployed the solution pipeline with Raspberry Pi EZO-pH sensor and data every 10s, triggering predictions via Flask.
- Integrated the solution on AWS with integrated anomaly detection and multi-sensor expansion capabilities.
- Designed automated live charts, real-time reports, and MIS reports using Chart.js and JavaScript, developing dynamic performance dashboards to enhance operational efficiency and Data-Driven decision making capabilities.

TECHNICAL PROJECTS

-Revenue Performance Insights Platform | HTML, CSS, JavaScript, Chart.js, Bootstrap

Jan 2025

- Designed and developed a responsive web application using HTML, CSS, JavaScript, and Chart.js, enabling the input and visualization of financial data through interactive charts and performance metrics with Bootstrap-enhanced design.
- Executed advanced data analysis and strategic financial recommendations utilizing JavaScript, showcasing IT proficiency while delivering actionable insights for banking operations and risk management enhancements.
- Managed the project lifecycle independently, optimized UI/UX design for seamless navigation across 10 financial metrics, and enhanced functionality by integrating 500+ revenue data points, achieving a scalable financial analytics platform.

-Customer Churn Prediction | Python, XGBoost, Streamlit

Mar 2025

- Engineered a machine learning model using Python and XGBoost to predict customer churn retention, leveraging a comprehensive dataset of 10,000+ transaction records for precise churn analysis.
- Constructed an interactive Streamlit dashboard to visualize customer churn retention risks, implement retention strategies, and achieve 85% accuracy through advanced data visualization and predictive modeling.
- Independently managed the project lifecycle, fine-tuned the model by adjusting feature selection and hyperparameters, and incorporated dynamic analytics features, elevating the platform's capability in customer churn retention forecasting with enhanced predictive accuracy.

-ML-based Credit Card Fraud Detection System | Python, SMOTE, Random Forest, Logistic Regression

May 2025

- Designed a machine learning pipeline for fraud detection system behavior using a dataset of 28K+ card transactions.
- Applied random forest and logistic regression, achieving 93.5% precision and a 0.89 ROC-AUC score.
- Addressed class imbalance with SMOTE, assessed results via 5-fold Cross Validation, and visualized key metrics

TECHNICAL SKILLS & TOOLS

Languages: Python, JavaScript, SQL, HTML/CSS, C/C++

Frameworks & Tools: TensorFlow, Streamlit, Chart.js, Bootstrap, Flask

Platforms & Databases: AWS, MongoDB, Git, Google CoLab, VS Code, Power BI, MS Office, Unix/Linux

Relevant Coursework: OOPs, DBMS, Data Structures, Software Engineering, Project Management

POSITIONS OF RESPONSIBILITY

E-Cell VJTI | CMO

Aug 2024 – Apr 2025

- Spearheaded a team to boost participation in startup events and forge industry partnerships.
- Developed integrated strategies across online and offline channels, driving event growth and collaborations.

Swach VJTI | Marketing Head

Aug 2024 – Apr 2025

- Directed campaigns for Swach VJTI, leading a team to raise awareness and promote sustainability initiatives.
- Formulated strategic plans using digital platforms and partnerships for maximum impact.

Alumni Association VJTI | Newsletter Head

Aug 2024 – Aug 2025

- Led a team of 5 to plan, write, and distribute the alumni newsletter, engaging 2,000+ alumni.
- Planned, scripted, and coordinated large-scale institutional events & speeches for audiences exceeding 200 participants.