

## Professional Summary

Actively seeking full-time opportunities in software development and data science, equipped with a Master of Science in Computer Science and a Bachelor of Technology in Computer Engineering. Highly proficient in advanced programming skills, data analysis techniques, and machine learning algorithms. Experienced in full-stack development and digital marketing, with a proven ability to develop innovative software solutions that optimize performance and drive business innovation. Skilled in utilizing cutting-edge technologies such as Python, JavaScript, SQL, AWS Cloud, and various data visualization tools to deliver impactful projects.

## Education

### University of Maryland Baltimore County, Baltimore, MD

Master of Science in Computer Science

May 2024

**Courses:** CMSC 678 Introduction to Machine Learning, CMSC 636 Data Visualization, CMSC 621 Advanced Operating Systems  
CMSC 641 Design and Analysis of Algorithms, CMSC 691 Introduction to Data Science, CMSC 691 Data Privacy

### University of Mumbai, Mumbai

Bachelor of Technology in Computer Engineering

May 2021

## Skills

**Core Skills** : Data Analysis, Data Visualization, Data Mining, Machine Learning, Data Engineering, Web Development, Digital Marketing, Full Stack Development.  
**Tools and Technology** : Tableau, Power BI, Microsoft Office Suite, Git, Jira, MySQL Workbench, Google Analytics, Google Data Studio, AWS Cloud, MongoDB, Oracle Cloud, PostgreSQL.  
**Programming Languages:** SQL, PL/SQL, Python, HTML, CSS, JavaScript, React.  
**Other Skills** : Responsive Web Design, Web Analytics, Content Management, Automated Data Processing, AML

## Work Experience

### Full-Stack Developer at Event Butterfly

- Event Butterfly aimed to create its online presence with the MERN stack.
- Assist in web, Android development, and database management
- Assisted in implementing marketing strategies, Utilized web analytics tools to monitor website traffic and user behavior, providing insights to improve digital marketing efforts.

### Web Development Intern, Scorp Technologies, India

- Scorp Technologies aimed to enhance its online presence and optimize digital content management to improve user engagement and streamline internal processes. Additionally, the company sought to ensure compliance with industry standards related to transaction monitoring and case management.
- My primary role was to assist in web development projects and support the implementation of digital marketing campaigns. Additionally, I was involved in assessing the feasibility of an organization's business requirements using Actimize's modules, including transaction monitoring, customer due diligence, and sanctions screening.

### Student IT Assistant, University of Maryland Baltimore County, Baltimore, MD

- Developed automated Excel sheets using Python, leveraging libraries like openpyxl and pandas to streamline data entry, manipulation, and reporting processes.
- The UiPath Excel automation project led to a 75% increase in productivity and a 100% improvement in data reliability. The efficient handling of IT support tickets enhanced system efficiency and user satisfaction, and the collaborative efforts ensured the smooth functioning of IT operations.

## Projects

### Enabling a WhatsApp Customer HelpMate using OCI Generative AI, AI-Language & Integration

Aug 2022 - Dec 2022

- Developed an AI-driven Customer Service HelpMate on WhatsApp using Oracle Integration Cloud and Oracle Cloud Infrastructure (OCI) Streaming for real-time message capture.
- Implemented OCI Generative AI for generating "Quick Replies" and sentiment analysis for setting service ticket severity based on customer sentiment.
- Automated ticket classification using OCI AI-Language custom text classification and aspect-based sentiment analysis (ABSA) services.
- Orchestrated the entire process with OCI AI Services APIs through a no-code integration approach in Oracle Integration Cloud.

### Forex Data Visualization

Jan 2023 - May 2023

- Developed a comprehensive website for visualizing FOREX data, incorporating interactive world maps to represent relationships using JavaScript, Python, and HTML.
- Employed numpy and pandas libraries for data organization and filtering, ensuring meaningful insights for users of varying experience levels through cohesive and accessible visualizations.

### Access Control Benchmarking

Jan 2024 - May 2024

- Designed and evaluated a benchmark for Attribute-Based Access Control (ABAC), Role-Based Access Control (RBAC), and Purpose-Based Access Control (PBAC) using TPC-H benchmark queries. Assessed models on runtime, memory usage, and query volume.
- Developed and applied synthetic access control policies to evaluate operational efficiency and scalability, generating over 10,000 real-life queries using SQL and Python.

### Credit Card fraud detection (end-to-end data machine learning project deployed on AWS)

Mar2024 – May2024

- Learned the AML/BSA regulations to find anomalies.
- Developed a Credit Card Fraud Detection system using Logistic Regression, Random Forest, XGBoost, and Genetic Algorithm for model selection.
- Applied PCA for dimensionality reduction and handled imbalanced data to enhance model accuracy.
- Engineered features to improve model performance and evaluated using precision, recall, and F1-score.
- Utilized LIME (local interpretable model-agnostic explanations) to identify the most important features.
- Demonstrated real-time fraud prediction with Python, focusing on data preprocessing and model training.
- Implemented project separately via RPA as well which resulted in similar results.

## Certifications

- NPTEL certification in Data Mining affiliated with IIT Bombay.