

Shoimya Chowdhury

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Education

Michigan State University | East Lansing, MI

GPA: 3.69/4.0

College of Engineering | Bachelor of Science in Computer Science

Graduation: May 2023

Awards: 4× Dean's List | Global Spartan Scholarship

Certifications

Machine Learning Specialization - Stanford University/Coursera (WE633I5N6OZI)

Technical Skills

Python, C++, C#, JavaScript, SQL, VBA; .NET MVC, ASP.NET Core, Flask, Docker; TensorFlow, PyTorch, Scikit-learn, Azure ML; MySQL, Azure SQL, Qlik Sense; Git, Power Automate, GCP, AutoHotKey

Professional Experience

Project Manager I | **Raymond James & Associates, Michigan**

December 2025 - Present

- Spearheaded the development of Qlik Sense dashboards to track employee performance and project volumes, enabling data-driven capacity planning during peak seasons
- Developed a Qlik Sense application for SLA tracking and real-time collaboration, reducing errors and saving 3+ hours per week while minimizing overtime risk
- Mentored and trained a junior associate in programming to expand departmental skill coverage

Business Technical Specialist | **Raymond James & Associates, Michigan**

October 2023 - December 2025

- Recognized as *Rookie of the Year* for exceptional technical impact and performance
- Engineered a VBA and SQL-based scheduling automation for department shift planning, reducing processing time by 50% via eliminating manual work
- Architected an automated Project Quality Assurance database, improving process efficiency by 35% through automation of monthly quality sampling
- Built AutoHotKey web-scraping automation to update 1,000+ securities in under an hour
- Integrated new features into workflow software by utilizing VBA and SQL, saving 2+ hours weekly

Web Developer and Business Analyst Intern | **DataSoft Systems Ltd, Dhaka**

June 2022 - August 2022

- Constructed a real-time market data extraction console application using C# and HTML Agility Pack, serving both the development team and business stakeholders
- Implemented a custom object-oriented web-scraping data pipeline to seamlessly integrate live market data into the Smart Trades trading platform
- Conducted end-to-end functional testing and delivered reports, enabling early issue detection

Academic Projects

Building Shipments Using Machine Learning | **RPM Freight Systems**

January 2023 - May 2023

- Directed a cross-functional team of 6 engineers through the full Software Development Life Cycle to design, build, test, and deploy an enterprise order management system as my Capstone project
- Leveraged ASP.NET Core MVC, Azure Machine Learning Services, Azure SQL Database, and Scikit-learn to deliver an enterprise-level solution
- Applied *K-means* and *Spectral Clustering* models to optimize geographic order clustering, minimizing the number of stops by 43% and reducing per-shipment costs
- Facilitated regular stakeholder meetings, aligning project goals and ensuring high client satisfaction

SQLite Emulator | **Michigan State University**

January 2023 - May 2023

- Built a Python-based SQLite emulator supporting CRUD operations and relational joins
- Designed a modular architecture to support extensibility, robustness, and future feature expansion

Hate Speech Recognition | **Michigan State University**

September 2022 - December 2022

- Coordinated a 3-person team to develop and evaluate hate speech classification models
- Benchmarked custom models against BERT and LSTM baselines, achieving over 80% accuracy on labeled online forum datasets