

Mayesha Jashim

St. John's, NL, CA | mayesha0905@gmail.com

LinkedIn: [mayesha-j](#) | Github: [MayeshaJ](#) | Portfolio: [mayesha.dev](#)

EDUCATION

Memorial University of Newfoundland

Bachelor's of Science, Computer Science

- Dean's List 2024 – 2025

May 2021 - December 2025

GPA: 3.7

LEADERSHIP AND INVOLVEMENT

MUN Competitive coding Club

- Competed in Atlantic Canadian Programming Competition and Northeast NA Regional Contest

Burton's Pond Charity Representative

- Organized donation drives for the MUN foodbank and facilitated community outreach efforts within the Burton's Pond residence.

Hackathons

- Developed functional prototypes at HackFrostNL, Amazon Robotics Hackathon, and Engcomm Hackathon.

EXPERIENCE

Ontario Power Generation

Software Developer Co-op Student

Pickering, ON, Canada

September 2024 - August 2025

- Developed and deployed two full-stack internal tools using Python Object-Oriented Programming and SQL Server Management Studio, including a Resource Planning tool that migrated data from Microsoft Access and Excel into a robust SQL database, fully endorsed by engineering teams.
- Used Git for version control and collaborated on quick fixes and build shipments to Azure, enabling small, frequent releases and rapid feedback for development teams.
- Built and maintained 8+ Power BI reports/dashboards by writing and reviewing SQL queries to extract, analyze, and visualize data from internal databases, directly supporting more than 50 managers and analysts and driving approximately 433 hours in annual time savings.

PROJECTS

DocuQuery AI | AI & Information Retrieval [Github](#)

- Architected a Retrieval-Augmented Generation (RAG) system using Python (FastAPI) to analyze uploaded documents and provide accurate, context-aware answers.
- Implemented Natural Language Processing (NLP) logic to evaluate data relevance, verifying answer accuracy using custom metrics (ROUGE-L) to ensure high-quality outputs.
- Designed a user interface to display confidence indicators, allowing users to visually assess the reliability of the retrieved information.

GameLink | Cross-Platform Sports Community App [Github](#)

- Developed a full-stack mobile application using Flutter (3.9+) and Dart to connect sports enthusiasts, deploying to iOS, Android, and Web from a single unified codebase.
- Integrated the full Firebase Suite (Auth, Firestore, Storage, Cloud Messaging) to handle secure authentication, real-time game synchronization, and push notifications for live updates.
- Utilized MVC architecture to manage complex state across 15+ screens, including dynamic capacity management, waitlists, and skill-based user profiling.

Stonks | Real-Time Trading Simulation Platform [Github](#)

- A JavaScript and Node.js-powered platform for practicing stock trades with live market data
- Integrated RESTful API routes and MongoDB to support user authentication and persistent portfolio management
- Developed asynchronous trade logic and applied automated tests to ensure data integrity and smooth operation in high-frequency scenarios.