

## SUMMARY OF SKILLS

- **Programming Languages:** Java, Python, JavaScript
- **Web Development:** Java Spring Boot, FastAPI, ReactJS, Angular, HTML/CSS, Rest APIs
- **Database Management:** MySQL, Oracle DB, PostgreSQL, MongoDB, Neo4j
- **Testing and Automation Tools:** Selenium, Appium, Cucumber, Web Driver, JUnit, Karma
- **Others:** GraphQL, Maven, Gradle, Docker, Git, GitHub, JIRA, Confluence, Bitbucket, SDLC, LangChain

## EDUCATION

**Bachelor of Science (Honours), Computer Science (Intelligent Systems)** Jan 2021 - Dec 2024

Brock University, St. Catharines, ON

- **GPA: 87% | Dean's List: All Semesters**
- **Relevant Coursework:** Artificial Intelligence, Neural Networks, Genetic Programming, Data Structure and Algorithms, DBMS, Web Development, Calculus, Theory of Computation, Statistics, Data Science, Computer Networks, Software Testing and Debugging

## WORK EXPERIENCE

**AI Developer** Aug 2024 - Present

Mengalo, Toronto, ON

- Built a **full-stack AI inbox** for automated message generation powered with **agentic AI** using **Python's Fast API and React**.
- Utilized artificial intelligence for real-time data analytics using LLM RAG Chatbot with **Python, LangChain, and Neo4j**.
- Designed a **database schema** and an **automated pipeline** for cleaning and transforming data from a **PostgreSQL** relational database to a **Neo4j** graph database.
- Implemented code reviews, **secure** coding practices, **git** management, and **agile** methodologies, promoting productivity and code quality in startup environment.
- Collaborated with software development teams, product managers, and client stakeholders to identify improvements and new features for existing products.

**Research Assistant** Jan 2024 - Dec 2024

Brock University, St. Catharines, ON

- Received prestigious **Match of Minds Scholarship** for exceptional academic performance and research potential, as sole recipient in the department.
- Created an **open-source dataset** of over 2,000 research artifacts, promoting collaboration and accessibility; projected to improve research efficiency by 30%, accelerating discovery and innovation.
- Conducted **empirical research** with Professor to evaluate capability of generative AI in evaluating software artifacts for 40 conferences.
- Designed an Artifact Documentation tool with advanced **OOPs in Python** and **OpenAI** and **Neo4j**, analyzing conference acceptance probabilities with AI, decreasing documentation time by 90%.

**Automation Engineer Coop** May 2024 - Aug 2024

Scotiabank, Toronto, ON

- Learned **Android automation** and built automation for 20 test case scenarios using **Java, Selenium, and Appium**, reducing testing time by over 75% within four months.
- Developed a **Java** package with advanced **OOPs** concepts to manage boilerplate code for **Android automation**, maximizing reusability and saving time for future testing efforts.
- Collaborated with the business quality assurance team to design test case scenarios aligning with business requirements.
- Integrated a reporting module leveraging **HTML/CSS** to generate comprehensive test reports for each test case, to cut down the validation time by 50%.

## Full Stack Developer Coop

May 2023 - Aug 2023

Scotiabank, Toronto, ON

- Delivered a comprehensive test suite in **Java JUnit and Karma** for the LMS website, **increasing** test coverage by **15%** and ensuring compliance with the bank's 85% minimum coverage mandate.
- Collaborated** with another department to improvise an automation script written in **Python**; extended its functionality **reducing** manual file management time by **20%**.

## Automation Engineer Coop

Sep 2022 - Dec 2022

Scotiabank, Toronto, ON

- Automated web testing regression test suites utilizing **Selenium and Cucumber BDD in Java**, integrating with the bank's automation framework and **reduced** testing time by **70%**.

## ACADEMIC PROJECTS

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### Stock Market Prediction – Neural Network

Dec 2024

Brock University, St. Catharines, ON

- Utilized **Artificial Neural Network** to predict stock prices using **TensorFlow**.

### News App - Android

Dec 2024

Brock University, St. Catharines, ON

- Developed a feature-rich **android** news application utilizing News-API, enabling categorical news browsing, multilingual search, bookmarking with built-in database support, and user preferences storage via shared preferences.

### AI Powered Web Summary Tool - Spring Boot

Apr 2024

Brock University, St. Catharines, ON

- Created an AI tool utilizing **Java Spring Boot** and **OpenAI** to summarize web pages, serving as **Scrum Master** for a team of five and a **back-end developer**.

### Stock Market Prediction - Genetic Programming

Apr 2024

Brock University, St. Catharines, ON

- Designed a genetic programming model in **Java** operating on a regression algorithm and achieved over 80% accuracy in predicting NASDAQ and S&P 500 stock prices.

### Village War Game - Java

Apr 2023

Brock University, St. Catharines, ON

- Engineered a multiplayer game with advanced **OOPs** principles, improvising performance through a multi-threaded client-server model leveraging UDP.

## SCHOLARSHIPS AND AWARDS

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- Match of Minds Scholarship** Sep 2024  
Awarded a **research grant** as the sole recipient in the department, based on faculty recommendations.
- Golden Key Award** Jan 2023  
Inducted into the Golden Key International Honor Society for academic achievement, placed within the **top 15% of university**.