

SUMMARY OF SKILLS

- **Programming Languages:** Java, Python, JavaScript
- **Web Development:** Java Spring Boot, FastAPI, ReactJS, Angular, HTML/CSS, Restful 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

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

- **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**.