

Muhammad Rabee

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EDUCATION

University of Waterloo

Bachelor of Computer Science, Honours Co-op

Sep 2020 – Apr 2025

Waterloo, ON

- **GPA:** 3.9/4.0 (Dean's List)
- **Relevant Coursework:** Object-Oriented Software Development, Algorithm Design and Data Abstraction, Computer Organization and Design, Foundations of Sequential Programs

SKILLS

Languages: Python, JavaScript, SQL, C/C++, HTML/CSS, R

Frameworks/Libraries: Pandas, React, Node.js, Express, Matplotlib, Scikit-learn, Seaborn

Tools: Docker, Git, Linux, Bash/zsh, Power BI, Tableau, Jira, Confluence, Agile Methodologies

EXPERIENCE

Data Scientist/Engineer Intern

Scotiabank Global Banking & Markets

May 2022 – Aug 2022

Toronto, ON

- Developed an **HTML** email framework built in **Python** that automatically delivered emails conveying early warning signals of client credit deterioration to **100+ investment bankers** based on portfolio changes.
- Built and maintained an **ETL** data pipeline with **AirFlow**, feeding real-time financial data to **Tableau** dashboards used by bankers to improve strategic decision making regarding client risk.
- Conducted **exploratory data analysis (EDA)** with **Jupyter**, **Pandas**, **SQLAlchemy**, **Seaborn**, and a Financial Markets database (**Refinitiv**), presenting valuable insights, and findings to Directors.
- Collaborated in an **Agile** work environment consisting of planning sprints, **Confluence** to document projects pushed to production, and tracking daily/weekly tasks with **Jira** tickets.

Data Analyst Intern

Scotiabank

Jan 2022 – Apr 2022

Remote

- Deployed **5 PowerBI dashboards** into production providing views on ongoing projects, APM status updates, and compliance regulations at the bank.
- Performed ad-hoc **SQL** queries, retrieving valuable data for other ongoing projects on the team, reducing downtime between projects by **15%**.
- Reduced overdue milestones by automating reporting of pending approvals with **openpyxl Python** library and liaising with PMs, generating over an **88% reduction** in non-compliant milestones.

Software Developer (Contract)

Kohinoor Fashion Studio

Sep 2021 – Oct 2021

Cambridge, ON

- Published a responsive web page using **HTML, CSS, & Bootstrap** for local business showcasing item catalog, and store promotions.

PROJECTS

Biquadris (2-player Tetris) | C++, OOP, Bash, GDB, Git

- Created a modified version of Tetris using **object-oriented programming** principles that supported two-player capability, and special abilities with **graphic support** in **C++**.
- Utilized design patterns such as **Observer**, **Template**, and **Factory**, and managed memory using **RAII principles & Smart Pointers**.

Portfolio Website | HTML, CSS, JavaScript, Netlify

- Designed a responsive web page using **HTML, CSS, JavaScript**, and hosted via **Netlify** to showcase projects, and previous internship experience.



NBA MVP Predictor | Python, Scikit-learn, Pandas, Matplotlib

- Developed a **machine-learning model** using **scikit-learn**, employing **RandomForest regression** to predict NBA MVP for a given season based on data.



COURSES & CERTIFICATIONS

- **Coursera:** Neural Networks & Deep Learning, Machine Learning (Stanford), Structuring Machine Learning Projects, Improving Deep Neural Networks