

Akram Jamil

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Education

University of Waterloo

Sep 2024 to Apr 2029

BCFM in Computing & Financial Management

- **Majors:** Computer Science, Accounting & Finance
- GPA: 3.9/4.0
- **Coursework:** Analyzing Financial Markets in Python, Designing Programs, Algorithm Design and Data Structures, Techniques for Software Development, International Business

Projects

AlzGuard – YIC (Youth Impact Challenge) Winning Project

[github.com/name/repo](#) 

- Developed the front-end and AI model using React, Python, HTML, and CSS for an Alzheimer's detection tool aimed at physicians, which won a \$1,000 prize at YIC.
- Developed a convolutional neural network (CNN) and a Random Forest classifier to classify images and clinical data to determine the likelihood of a patient having Alzheimer's Disease
- Collaborated in a team of three to integrate machine learning models (Random Forest, Meta Classifier) for analyzing MRI scans, providing predictions with accuracy scores above 85%
- Enhanced early detection capabilities for Alzheimer's, potentially reducing diagnostic time by 30% compared to traditional methods.

CFM101 Stock Trading Project

- Technical Analysis Project

Experience

Teaching Assistant

Brampton, ON

Kumon Canada

Sep 2020 to Present

- Provided personalized tutoring in mathematics and reading, supporting students in grades K-12 to build strong foundational skills.
- Conducted progress assessments, enabling tailored learning plans and ensuring student development.
- Assisted in classroom management, promoting a productive learning environment.
- Supported students in developing self-learning habits, fostering independence and academic confidence.

Telecommunications Consultant Intern

Mississauga, ON

Canada Cartage System Limited

Jun 2022 to Aug 2022

- Managed server-side telecommunications systems, optimizing network performance and ensuring seamless communication across multiple departments.
- Assisted in troubleshooting and resolving telecommunication issues, reducing system downtime and improving operational efficiency.
- Analyzed and maintained telecommunications data to ensure compliance with industry standards and internal policies.
- Collaborated with IT teams to implement scalable communication solutions, supporting the company's logistics and transport operations.

Technologies

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

Libraries: Matplotlib, NumPy, NumPy Financial, pandas, yfinance, Flask, React, Flutter

Technologies: Visual Studio Code, XCode, Android Studio, Next.js, MongoDB, Blender, Git/GitHub, Figma