

Yousuf Ahmed Khan

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SKILLS

Languages

Python, C, C++, Java, JavaScript, HTML, CSS

Task Management

Git, GitHub, GitLab, Trello, Teams, Miro

EDUCATION

Bachelors of Computing in Computer Science Honors co-op

University of Guelph

09/2023 – present

Guelph, Canada

Relevant Courses:

- Data Structures, Algorithms, OOP, Operating Systems, Discrete Math,

Key Academic Projects:

DNA and mRNA Translator (year 1)

- Developed a **C language program** for university assignment, focusing on **DNA to mRNA manipulation**.
- Added feature to check compatibility between DNA sequences and mRNA

High School Diploma (OSSD)

Christ the King Secondary School

09/2019 – 06/2023

Georgetown, Canada

Graduated with Distinction and Honored in Mathematics (final average: 95%)

PROJECTS

Vinyl (Discord Chat Bot)

- Integrates the **Spotify API**, in Discord chats.
- This tool allows collaborative playlist creation without need of Spotify Premium,
- demonstrating my skills in **API integration** and user-centric software development.
- Developed in **Python**, completed within a **2 week timeframe**

Personal website (www.yousufahmedkhan.com)

- Personal resume website hosted on **Microsoft Azure**
- Built with **HTML, CSS, JavaScript**, and applied a Dynamic Background using a **open-source library**
- Utilized **GitHub** for version control and project management
- Showcases **web development** skills and professional portfolio
- Demonstrates proficiency in **cloud services** and open-source utilization

Hack The North (Hackathon)

- Built an interactive blog platform (Polar.me) which enabled reader voting on author opinions. Built Within a **36 hours timeframe**.
- Integrated **Cockroach Labs SQL database** for cloud storage.
- Build using **Python** and **HTML/CSS**

EXPERIENCE

Finance Minister (Technical)

Relay for Life - Canadian Cancer Society

10/2022 – 06/2023

Halton Hills, Canada

- Instrumental in raising **\$150,000 in 4 months**, a school and Canadian national record for 2023.
- **Analyzed over 1200 data points** for accurate financial forecasting using **Excel** and **Python**.
- **Applied Highschool statistics techniques** like linear regression, normal distribution, and histograms for **analytical predictions**.
- **Accurately forecasted fundraising total** within \$1000 and event attendance by grade.
- **Trained junior team member** in data analysis and **Excel** skills for future events.
- **Secured sponsors**, led marketing initiatives, and **organized public events** for fundraising.

STEM Tutor

2021 – present

Halton Hills, Canada

- **Tutor students with learning disabilities** in math and science during high school.
- Developed **individualized learning plans** for each student.
- Enhanced student academic performance, achieving up to a **30% improvement**