

Ayaan Shaikh

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EDUCATION

University of Guelph

Bachelor of Computing in Computer Science, Minor in Psychology

Guelph, ON

Sep. 2024 – Apr 2028

Bishop P.F. Reding Catholic Secondary School

High School Diploma

Milton, ON

Sep. 2021 – Jun 2024

LEADERSHIP

Leaders in Black (Grade 12 Leadership)

Bishop P.F. Reding Catholic Secondary School

Sep. 2023 – Jun. 2024

Milton, ON

- Coordinated and supported major school events including dances, religious observances, and student milestone celebrations
- Collaborated with peers to organize student-focused activities that eased the transition from elementary to high school
- Produced visually appealing digital content to inform and engage students with timely updates on school-wide initiatives

YOUnity (Grade 11 Leadership)

Bishop P.F. Reding Catholic Secondary School

Sep. 2022 – Jun. 2023

Milton, ON

- Welcomed and guided new students to their classrooms, creating a supportive and inclusive environment during their transition
- Mentored incoming student leaders and demonstrated school values through active participation and leadership
- Managed club social media platforms by designing and posting engaging content to promote school events and initiatives

PROJECTS

DevLens | *Python, Flask, SQLite, Gemini API, HTML5, CSS3*

May 2025

- Built a full-stack web app with Flask and the Gemini API to analyze GitHub repos and generate AI-driven project feedback
- Fetched README data via the GitHub API and stored analysis results in SQLite for persistent access
- Implemented session-based history and dynamic routing to support per-user analysis views
- Designed a clean, responsive UI using HTML and custom CSS inspired by personal branding

Roast Your Toast | *Node.js, Gemini API, HTML5, CSS3*

March 2025

- Built a full-stack web app that roasts users' Spotify playlists using AI-generated humor
- Integrated Spotify OAuth to fetch playlist data and Gemini API to generate roast messages
- Designed a responsive frontend with HTML, CSS, and JavaScript; deployed app via Render
- Structured project into modular backend and frontend components for scalable development

IP Essentials | *C (Programming Language)*

November 2024

- Created a C program to read, validate, and analyze IP addresses through CLI interaction
- Converted IP addresses to binary and decimal formats using bitwise manipulation and helper functions
- Classified IP addresses into classes (A–E) based on octet logic, reinforcing networking concepts
- Followed modular design using custom functions for input handling, binary conversion, and validation

TECHNICAL SKILLS

Languages: Python, C, Java, Rust, SQL (SQLite), JavaScript, HTML/CSS, Bash, R

Frameworks & Tools: Flask, React, Node.js, Jinja2, Git, GitHub, Vercel, Render, Makefile

Developer Environments: VS Code, Eclipse, Linux CLI, GCC, Valgrind

APIs & Libraries: Spotify API, OpenAI/Gemini APIs, serde (Rust)