

Ahmad Zaki

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Education

York University

Toronto, ON

Bachelor of Science in Computer Science(Honors)

May 2026

Courses: Advanced Object-Oriented Programming, Software tools, Computer Organization, Fundamentals of Data Structures, Introduction to Logic for Computer Science

Projects

Athena - AI Content Generator | *React, TypeScript, Tailwind CSS, PostgreSQL*

- * A SaaS website which used open source AI API's to generate Images,Audio,code snippets and conversation chat
- * Designed a SaaS AI platform using **React** and **Tailwind CSS**, with Backend in **TypeScript** and **Next.js** for API and routing
- * Implemented **Clerk** for user **Authentication** and login purposes
- * Executed API requests with **Axios** to push requests to **ChatGPT 3.5-turbo** API and Dalle and **Replicate AI**
- * Created a **postgresql** with the help of **Prisma**, to track user free uses
- * Implemented **Crisp chat** for **Customer support**
- * Utilized **Stripe** API endpoints to facilitate payment for a pro model of the site

Car Database | *JavaScript, CSS*

- * Created a **Car database** where user searches from a list of cars to retrieve data such as brand, model, engine, and year
- * Designed and implemented an intuitive user interface using **HTML** and **CSS**, enabling seamless interaction for users to search and view cars stored in the database
- * Used **Node.js** and **JavaScript** to create a communication layer between user frontend and database backend
- * Used local JavaScript based database which sends back relevant data depending on input from user

Form Checker - NPM Package | *JavaScript*

- * Developed a robust **NPM package** for form validation, Implemented **synchronous** and **asynchronous** validation functions for verifying email, username, phone number, and password inputs, ensuring comprehensive form **input integrity**
- * Enhanced **user experience** with real-time validation, Integrated **API-based asynchronous checks** to verify the availability of usernames, emails, and phone numbers, providing instant feedback to users during form submission
- * Ensured high code quality and maintainability, Utilized **regular expressions** for strict input validation, wrote **clear documentation** for each function, and adhered to best practices in JavaScript for clean, efficient, and reusable code

SmartFile Manager | *Python*

- * Developed a **Python** script tailored for **command-line interface** (CLI) usage, facilitating efficient keyword-based copying and compiling of files
- * Integrated advanced search functionalities within the script to identify all files containing a specified keyword, enhancing flexibility and adaptability for diverse file structures and naming conventions

Extracurricular

MUN IT Team Leader | *Jubail International School*

Oct 2021 - Feb 2022

- * Managed a team of 3 individuals to communicate, coordinate and execute a virtual event on Zoom, attracting over 150 attendees
- * Developed an email domain system for MUN leaders and team heads with different levels of permissions, enhancing communication efficiency
- * Established and managed a custom Discord server throughout the event duration with 150 active members, facilitating real-time communication and collaboration among participants

Technical Skills

Languages: Python, C, Java, JavaScript, TypeScript, SQL, PostgreSQL, MongoDB, HTML, CSS, RISC-V

Frameworks: React, Tailwind, Next.js, Node.js, JUnit

Technologies: Visual Studio, IntelliJ, GitHub, Git, Eclipse, CI/CD, Linux