MOHAMMED AZMATH KHAN

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EDUCATION

University of Calgary   *Expected Grad ~ April 2026* | **Calgary, Canada**
Bachelor of Science in Software Engineering   **GPA:** 3.5

- **Awards:** Seymour Schulich Academic Excellence Scholarship

PROJECTS

Finance Full Stack Application   **Figma | Full-stack | React Native | Node.js | Firebase | Expo**
Solo Project

- Created and designed a full stack iOS and Android application using React Native, Expo and Firebase to calculate mortgages according to live interest rates, used by family and friends to apply in their finances.
- Implemented UI design developed in Figma that conformed to accessibility regulations in order to reach a broader audience – employed dynamic elements and widgets to allow for three different types of navigational features.
- Applied a backend API named Polygon.io to represent real time accurate stock data and relay accurate real time market interest rates as well as using Firebase to securely store user information.

Justifi AI Full Stack Web Application   **OpenAI API | LLM | React | AWS**
Hackathon Team Captain

- Designed and trained an AI LLM using the OpenAI API, implemented into a Full stack web react app during a 24-hour hackathon – CodetheChange, made to allow people from every background access legal consultation.
- Implemented a python web scraper to compile large amounts of case files from major states in America -- then used these files in another python script to convert into readable data to train and fine tune the AI to respond to users.
- Integrated AWS database to send and store API calls back and forth between OpenAI API and React Front End.

Handheld Video Game Console   **Circuitry | 3D modeling | Soldering | Arduino MEGA | Fusion 360 | C**
Development Lead

- Spearheaded the designed and manufacturing of a hand-held game console using a CMOS 8-bit microcontroller based on the AVR enhanced RISC architecture.
- Built and programmed games coded in C influenced by retro games like snake – integrating joystick and buttons controls with a navigable menu for game selection used by family and pears to play for competitive high scores.
- Managed and worked alongside a small group of student developers; employed agile tools and techniques which maximized productivity and communication by using Git version control.
- Fabricated a fully functional handheld retro game console using fusion 360, featuring clip secure access, dual power options and modular components for future upgrades.

EXPERIENCE

Cita Marketplace   *April ~ August 2024* | **Remote**
Web Design - Front End Engineering Intern

- Developed a Full-Scale ReactJS Front-End, spearheaded a team in the design and implementation of an interactive user interface for a high-traffic website, ensuring a seamless user experience across all devices.
- Integrated Front-End with Back-End Services, collaborated with back-end developers to connect the front-end interface with server-side logic, optimizing data flow and enhancing overall site performance.
- Implemented Secure Payment Portals, engineered a secure and efficient payment system, facilitating thousands of seamless transactions for users booking reservations at popular restaurants across major U.S. cities.

Property Manager   *September 2022 ~ Present* | **Calgary, Canada**

- Manage and deal with clients/tenants in order to smoothly run a multi-unit residential establishment.
- Implemented a new strategy resulting in an 80% increase in total revenue and solved unoccupancy of units by 50%.

ACTIVITIES, SKILLS & INTERESTS

- **Skills:** Front-end development, Figma UI design, Data structures, React, React Native, SQL and Git, AI
- **Programming:** Highly proficient: Python, Java, JavaScript, C++, Html/CSS | Familiar: C, PHP, Django
- **Activities:** Blockchain club, Tech start club, Academic Mentor, Intermural Vice Captain
- **Interests:** Soccer, running, swimming, hiking