

Abdul Moeez Shaikh

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EDUCATION

McMASTER UNIVERSITY

Hamilton, ON

Bachelor of Applied Science in Computer Science — GPA: 3.96/4.0

Expected Graduation: April 2028

WORK EXPERIENCE

Zebra Robotics

Oakville, ON

Robotics and Coding Instructor

Feb 2025 – Present

- Instructed students (ages 6–14) in hands-on robotics.
- Developed and delivered STEM-focused curricula covering coding, mechanical design, and sensor integration.
- Guided students through building and programming autonomous robots to complete challenge-based missions.

Career Education Council

Mississauga, ON

Software Developer Intern

July 2023 – Aug 2023

- Built GoPic prototype with Swift, developing UI wireframes and implementing core functionality.
- Collected user data to iterate UX and documented project for handoff scalability.
- Collaborated with developers to define roadmap and design system architecture.

PROJECTS

AllRecipes Scraper API | Node.js, Express, Puppeteer, React, Vite, Tailwind CSS, Railway, JavaScript

- Built and optimized a web scraping RESTful API for recipes, improving response times by 30% through efficient endpoint design.
- Enhanced user experience by adding advanced search and filtering, increasing engagement by 25%.
- Improved reliability by raising automated test coverage to 90%+ via CI/CD integration.

Just Apply | TypeScript, Next.js, React, Tailwind CSS

- Built an app to generate tailored resumes using Gemini AI, GitHub, and LinkedIn data.
- Enabled smart matching, PDF export, and direct email delivery for fast applications.
- Helped 10+ friends create outstanding job applications, contributing to increased interview success rates.

Commence: Automated Course Manager | Python, Flask, PyPDF, HTML, CSS

- Built a Flask app to extract key dates and grading info from syllabi PDFs using PyPDF and Gemini API.
- Implemented structured JSON storage for course data, enabling seamless organization and retrieval.
- Developed .ics file generation for calendar integration with Google and Apple Calendar.

VocabBuddy | TypeScript, IndexedDB, HTML, CSS, JavaScript

- Developed a Chrome extension enabling users to highlight text on webpages and view translations in English.
- Uses IndexedDB API to store personalized vocabulary dictionaries locally for offline access.
- Has a custom DOM Tree structure to track and save user highlights across page visits.

EXTRACURRICULARS

McMaster Aerial Robotics & Drones Club

Hamilton, ON

Software Team and Web Developer

Jan 2025 – Present

- Developing autonomous navigation and drone software.
- Building website and integrating sensor data.

McMaster Robo Sub

Hamilton, ON

Software Team Member

Jan 2025 – Present

- Contributing to software for AUV navigation and control.
- Working with ROS and computer vision for object detection.

TECHNICAL SKILLS

Languages: Python, JavaScript, TypeScript, Java, C, C++, C#, PHP, HTML, CSS, SQL, Swift, MATLAB, Haskell

Frameworks & Libraries: React, Next.js, Tailwind CSS, Flask, Express, Nest.js, Prisma, GraphQL, FXML, Tkinter

Databases: MongoDB, PostgreSQL, Firebase, Supabase, IndexedDB

DevOps & Tools: Git, Docker, AWS, Azure, GitHub, VS Code, Xcode, Eclipse, Netlify

ML/AI: TensorFlow, PyTorch

Other: ROS, Data Analysis, Technical Writing, Research, Collaboration