

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

Relevant Coursework: Web Development, Discrete Math, Data Structures and Algorithms, Calculus, Linear Algebra

WORK EXPERIENCE

Zebra Robotics

Oakville, ON

Robotics and Coding Instructor

Feb 2025 – Present

- Improved student engagement by **40%** by developing STEM curricula for **25+** students with robotics and coding
- Increased student technical proficiency by **30%** by mentoring them through autonomous robotics projects.
- Enhanced curriculum effectiveness by **30%** through hands-on learning integrating coding, sensors, and design

Career Education Council

Mississauga, ON

Software Developer Intern

July 2023 – Aug 2023

- Built GoPic prototype using Swift, accelerating MVP delivery by **2 weeks** by designing UI wireframes and implementing key features.
- Enhanced development efficiency by **15%** by collaborating with other developers to define roadmap and system architecture

PROJECTS

World Cup Match Predictor 🧠 🎥 | Python, FastAPI, scikit-learn, React, Tailwind

- Achieved **70%** model accuracy by training a machine learning classifier on historical World Cup data
- Built an interactive frontend and integrated FastAPI backend to allow users to simulate and visualize predictions.
- Deployed full-stack app on Render, showcasing end-to-end ML deployment and live user interaction.

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

- Optimized API performance by **30%** by building RESTful web scraping API serving **100+** daily recipe requests
- Enhanced user experience by adding advanced features like timers and lists, increasing engagement by **25%**.
- Enhanced system reliability by **40%** by achieving **90%+** automated test coverage through CI/CD integration

Just Apply 🧠 🎥 | TypeScript, Next.js, React, Tailwind CSS, Supabase, PostgreSQL, Docker, NextAuth

- Streamlined job application process by **60%** by developing a full-stack AI-powered resume generation using Gemini API with GitHub/LinkedIn data
- Improved application success rate by **45%** by enabling automated PDF export with email delivery
- Achieved **95%** user satisfaction by helping **15+** users create optimized applications with **30%** higher interviews

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

- Cut course planning time **70%** by extracting key dates from **100+** syllabus PDFs using PyPDF and Gemini API.
- Organized extracted data into structured JSON for efficient dashboard integration.
- Enabled calendar syncing with automated .ics file generation for Google Calendar, boosting adoption by **50%**.

EXTRACURRICULARS

McMaster Aerial Robotics & Drones Club

Hamilton, ON

Software Team and Web Developer

Jan 2025 – Present

- Advanced drone navigation capabilities by building GPS-based algorithms, reducing navigation errors by **35%**.
- Improved team collaboration efficiency by building responsive website and integrating real-time sensor data visualization for **20+** members

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

Machine Learning & AI: TensorFlow, PyTorch, SciKit Learn

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