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 technical proficiency by guiding students through building various autonomous robots for challenges
- 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 with Swift, developing UI wireframes and implementing core functionality.
- Accelerated product development by **25%** by building GoPic prototype using Swift with UI wireframes and core functionality
- Enhanced development efficiency by **15%** by collaborating with other developers to define roadmap and system architecture

PROJECTS

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 smart job matching and 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*

- Reduced course planning time by **70%** by building Flask app extracting key dates from **100+** syllabus PDFs using PyPDF and Gemini API
- Improved data organization efficiency by **50%** by implementing structured JSON storage for seamless course data management
- Enhanced calendar integration adoption by developing automated .ics file generation for Google and Apple Calendar

EXTRACURRICULARS

McMaster Aerial Robotics & Drones Club   Hamilton, ON

Software Team and Web Developer   *Jan 2025 – Present*

- Advanced autonomous navigation capabilities by developing drone software algorithms for GPS-based navigation and obstacle avoidance.
- 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