Muhammad Saad

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Objective

Third-year Software Engineering student at Ontario Tech University seeking co-op placement opportunities to apply skills in cybersecurity, full-stack development, and data management while gaining practical industry experience. Eager to contribute to meaningful projects and grow as a software engineer.

Skills

- Proficient in full-stack development, demonstrated through projects such as Habibi Carpooling, which ranked among the top 5 programs in Ontario Tech University's fall 2024 web development course.
- Skilled in Python, Java, C++, JavaScript/TypeScript, HTML, CSS, PHP, MySQL, React.js, and Node.js, with experience building secure, scalable, and user-friendly applications.
- Proficient in Microsoft 365, leveraging productivity tools for documentation, presentations, and project management.
- Collaborative team player, experienced in group-based development projects, consistently boosting team productivity and ensuring high-quality outcomes.

Projects & Competition Experience

November 2024

Habibi Carpooling – Web Programming (Ontario Tech University)

- Collaborated with peers to design a functional and accessible carpooling website to lower carbon emissions by up to 40% per person.
- Employed HTML, CSS, PHP, and MySQL to design a functional and sleek website.
- Researched a free launching method that allows users to interact with our site through any web browser.
- Enabled ride sharing between hundreds of users, hosting hundreds of rides.
- Secured users' accounts by hashing all user information.
- Ranked in the top 5 programs for Web Programming in fall 2024.

February 2025

Serenity AI – AI Development and Integration (Hackhive 2025 Hackathon)

- Collaborated with 3 peers to develop a fully functioning mental health app that uses two pipelined AIs to track, log and predict moods of the individual signed in.
- Employed React.js for the front-end and Node.js, Python, PHP and MySQL for the back-end.
- Pipelined two Hugging Face AIs:
  - The first AI took a picture of the user's face and predicted their mood to an accuracy of 93%.
  - The second AI would analyze a short text entry submitted after the photo to predict the user's mood to an accuracy of 93%.
- The app would then take both results into account to determine an overall mood.
- Results would be logged and predictions would be made based on past "check-ups" with a focus on secure data handling through proper hashing of user information.

Work Experience

August 2025 - Present
Partnerships Office at Ontario Tech University – Research and Projects Assistant

- Improved document access efficiency by restructuring SharePoint libraries and applying standardized metadata tags, optimizing workflows and ensuring an organized document database.
- Enhanced outreach capabilities by identifying and summarizing key nuclear and rail sector companies for partnership opportunities.
- Increased organizational readiness by helping design a CRM-style contact management tool in SharePoint.
- Supported high-profile university events such as the Zeeland Delegation, contributing to logistics, materials, and outcome archiving.
- Delivered continuity by maintaining a detailed weekly log and final project summary for future handoff.

September 2024 - August 2025
Brilliant Energy Institute at Ontario Tech University – Programs Assistant

- Supported a $100,000 grant from the Ontario Centre of Innovation, coordinating with partners Magna Inc. and Toyota Canada, resulting in student-focused events centered around industry enrichment.
- Managed and supported large-scale events while collaborating with other companies and organizations, expanding the institute's long-term partnerships.
- Managed weekly newsletter, increasing total subscribers by 10% and click-through rate by 42%.
- Marketed events and initiatives towards university students and the general public, increasing registrations by 13%.

June 2023 - September 2023
Crystal Glass Windows & Gutters – Site Manager, Sales Team Leader

- Increased sales by 20%, consistently bringing in the most sales revenue, resulting in company expansion.
- Managed a door-to-door sales team that consistently secured the highest number of sales in the company.
- Guaranteed appointments were done to the client's standards and in a timely manner, resulting in a structured schedule and maximum customer satisfaction.
- Ensured all cleaning representatives adhered to WSIB Schedule 1 insurance safety laws, resulting in a safe and compliant work environment.

Education

Expected Graduation - 2028
Ontario Tech University – Bachelor of Engineering (Honours) – Software Engineering

- **Relevant Courses:** Data Management Systems, Object-Oriented Programming, Data Structures, Principles of Software Development and Software Design & Architecture