Mohammad Taqi

Phone: 437-774-7472 / email: mohammad.taqi2420@gmail.com / LinkedIn: Mohammad Taqi / Github: mtaqi04

Objective: Second-year Software Engineering student at Ontario Tech University seeking a 4-month Co-op opportunity as a Software Engineer and Tools Developer at Ciena. Eager to apply my experience building full-stack applications, AI-powered chatbots, and real-time tools using Python, JavaScript, and C, while contributing to Ciena's innovative networking solutions and gaining hands-on industry exposure in embedded systems and AI/ML technologies.

Highlights of Skills & Qualifications:

- Languages: C, Python, JavaScript, HTML, CSS, Bash
- Frameworks & Tools: React.js, Node.js, Flask, Git, GitHub, VS Code, Jupyter Notebook
- AI/ML Libraries: Scikit-learn, TensorFlow (beginner level)
- Concepts: REST APIs, CRUD operations, calendar/event systems, authentication, real-time messaging
- Operating Systems: Linux (Ubuntu), Windows
- Dev Practices: Agile collaboration, testing/debugging, CLI tools, version control (Git)

Education:

Software Engineering – Bachelor of Engineering   June 2027
Ontario Tech University, Oshawa, ON

- Relevant Academic Courses: Data Structures & Algorithms, Computer Architecture, Web Development, Object-Oriented Programming, Embedded Systems Fundamentals, Software Design & Analysis

Project Experience

Library Management Web App   Mar 2025
React.js, Node.js, Express, MongoDB

- Built a full-stack web application that allows students to register, add books, borrow, and return them.
- Designed RESTful APIs to manage book inventory and integrated session-based user authentication.
- Reduced simulated borrowing time and improved UI/UX for accessibility.

MindFull Chat – AI Chatbot for Mental Health (Hack Hive 2025)   Feb 2025
Python, Flask, OpenAI API, HTML/CSS, JavaScript

- Developed a mental health-focused AI chatbot that provides real-time conversation support using OpenAI's GPT-based responses.
- Integrated Flask backend with a responsive frontend UI and tested through multiple user feedback iterations.
- Achieved Top 10 placement at Hack Hive 2025 for "Most Impactful Tool."

Calendar Event Manager   Nov 2024
JavaScript, HTML, CSS, LocalStorage API

- Created a standalone event calendar where users could create, view, and delete events.
- Designed logic to handle overlapping events and ensure smooth rendering across browsers.
- Used modular JS to improve maintainability and allow future extension (e.g., recurring events).

Restaurant Ordering System (Mock School Project)   Nov 2024
JavaScript, HTML, CSS

- Simulated an online food ordering interface with interactive menu, cart, and checkout logic.
- Focused on dynamic DOM manipulation and responsive layout for mobile users.
- Wrote unit tests for key order functions to ensure robustness.

Volunteer / Extra Curriculars

Event Volunteer & Web Support   Sep 2023 - Present
IEEE Student Chapter – Ontario Tech University

- Helped manage event registrations and maintain the chapter's internal event tracking system.
- Collaborated with senior peers on promoting AI/ML-focused events and workshops.

Member & Mentor   Sep 2023 - Present
Hackathon Club

- Participated in coding challenges and mentored first-year students on Git basics and web development.
- Encouraged inclusive participation and built demo projects to inspire beginner hackers.

Certifications/ Awards

- Hack Hive 2025 Top 10 Finalist – MindFull Chat
- LinkedIn Learning Certificate – Git Essential Training
- freeCodeCamp Certificate – JavaScript Algorithms and Data Structures