

MUHAMMAD TAIMOOR ALEEM

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[\(416\) 827 0507](tel:(416)8270507)

Skills

Programming Languages: C#, SQL, Python, JavaScript, TypeScript, Java, C/C++, GO

Libraries & Frameworks: .NET (ASP.NET Core MVC & Web API), React.js, Express.js, Next.js, Node.js, Angular, Flutter, Tailwind CSS, Bootstrap

Machine Learning: Pandas, NumPy, scikit-learn, OpenCV, TensorFlow, PyTorch, Generative AI

Cloud Platforms: GCP (Cloud Run, Pub/Sub, Firebase), Azure (AI, DevOps), AWS (Lambda, EC2, S3)

Databases & Tools: Git, Jira, Docker, Kafka, SQL Server, Google Firestore, MongoDB, MySQL, PostgreSQL

Experience

Software Developer Intern | Dayforce | Employer Evaluation [↗](#) | LOR [↗](#)

Jan 2025 - Dec 2025 (12 Months)

- Developed and maintained backend services for the Dayforce Wallet platform using C#/.NET, SQL Server, Apache Kafka, and CI/CD pipelines (Azure DevOps); contributing to scalable event-driven microservices architectures.
- Researched and optimized Restful APIs by troubleshooting performance bottlenecks and implementing efficient database queries; improving reliability and response times for downstream systems and increasing unit test coverage to 80%.
- Collaborated cross-functionally with mobile developers and stakeholders in an Agile environment; delivered feature demos to 50+ senior leaders and managers, strengthening technical communication and presentation skills.

Software Developer | Skill Squirrel | Employer Evaluation [↗](#)

May 2024 - Nov 2024 (7 Months)

- Developed a Python-based prototype to enhance the Badge Maker using Azure's Vision API and Generative AI, involving OCR, image-to-text conversion, and API-based image generation to demonstrate feature feasibility.
- Enhanced the Badge Maker's UI using React.js and Express.js, enabling dynamic previews, state-driven customization, and seamless frontend-backend integration for improved user experience.

Extra-Curricular Experience

Vice President | Google Developer Groups on Campus Sheridan College | LOR [↗](#)

Sep '25 - Present

- Leading the strategic vision of a Google affiliated club by organizing events to support 800+ community members.
- Mentoring and managing 30+ team leads and members; ensuring smooth operations and knowledge transfer.

Founder & Lead Event Organizer | Sheridan Datathon 2025 | Official Event Page [↗](#) | Event Recap [↗](#)

Apr '25 - Nov '25

- Founded and led a Datathon attracting 300+ participants across Canada; managed cross-functional teams of 50+ organizers and volunteers and led multiple moving parts to successfully lead GDG's largest event in history.
- Integrated Google technologies (Google Cloud, Gemini API, etc) into prize tracks and technical workshops; developed learning materials and resources to aid hackers in applying AI and Data Science to real-world problems.

Projects

AI Cricket Coach [↗](#) | Python, OpenCV, Flutter, Google Cloud | Capstone Project | Report [↗](#)

Sep 2024 - Apr 2025

- Served as the project leader to develop a mobile application that utilizes Computer Vision to track the ball trajectory and Machine Learning to provide personalized feedback for improvement to athletes to enhance their performance.
- Achieved [First Place](#) based on an evaluation criteria including technical relevance, solution construction and feasibility.
- Engineered a video analysis pipeline using Python and OpenCV to extract ball trajectory features and deployed the Random Forest-based ML model and processing pipeline on Google Cloud for scalable, real-time inference.
- Followed the complete Software Development Life Cycle to build the mobile application using Flutter; implemented key software design patterns (Repository, Singleton, Factory) to ensure modularity, testability, and maintainability.

FinShare [↗](#) | ASP.NET Core Web API, C#, SQL Server | Personal Project

Aug 2024

- Developed a server-side application that incorporates RESTful API endpoints, JWT authentication, and EF Core; applying the repository pattern and async programming for efficient database operations and improved maintainability.

Buddy Finder [↗](#) | Next.js, TypeScript, Spring Boot, Java | Hackathon Project

Jan 2024

- Single-handedly designed and developed the front-end to achieve the Best UI Design Award at Hackville 2024.

Education

Honours Bachelor of Computer Science (Specialization in Data Analytics)

Sep 2021 – Apr 2026

Sheridan College

Oakville, ON