Muhammad Taimoor Aleem

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Skills

Programming Languages:	Python, SQL, C#, JavaScript, TypeScript, Java, C/C++, GO
Data Science:	Pandas, NumPy, scikit-learn, OpenCV, TensorFlow, PyTorch, Generative AI
Cloud Computing:	GCP (Cloud Run, Pub/Sub, Firebase), Azure (AI, DevOps), AWS (Lambda, EC2, S3)
Libraries & Frameworks:	.NET (ASP.NET Core MVC & Web API), React.js, Express.js, Next.js, Node.js, Angular, Flutter, Tailwind CSS, Bootstrap
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.

Jr. 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 Developement Life Cycle to build the mobile application using Flutter; implemented key software design patterns (Repository, Singleton, Factory) to ensure modularity, testability, and maintainability.

AI Workout Detector | *Python, Scikit-learn, Matplotlib, Seaborn* | Personal Project **Aug 2024**

- A Workout Classifier and Tracker built using Python that utilizes Machine Learning trained on Accelerometer and Gyroscope sensor data to detect the type of exercise being performed by the user and track repetitions.
- Implemented data pre-processing by ingesting accelerometer and gyroscope sensor data; performed data visualization, outlier detection, and K-means clustering to build a Random Forest-based classifier to achieve 99.5% accuracy.

Education

Honours Bachelor of Computer Science (Specialization in Data Analytics) **Sep 2021 – Apr 2026**

Sheridan College *Oakville, ON*