Muhd Ayman Haque

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EDUCATION

UNIVERSITY OF TEXAS AT DALLAS | Richardson, Texas   **May 2027**
Bachelor of Science, Computer Science | GPA: 3.6

- **Relevant Courses**: Programming in UNIX, Linear Algebra, Data Structures & Algorithms, Probability and Statistics, Digital Logic and Computer Design

EXPERIENCE

Software Engineer | *Dallas Formula Racing*   **January 2025 – Present**

- Implemented monitoring and observability for Kubernetes using Datadog, tracking system metrics, logs, and application traces. Optimized cluster utilization, detecting 90% in unused resources, costing $1.43k/month.
- Developed a real-time vehicle sensor dashboard using Kafka on Azure, that streams live telemetry from multiple onboard sensors, enabling continuous monitoring of the vehicle
- Built CI/CD pipelines (GitHub Actions + ArgoCD) for automated deployments and integrated Sentry for error tracking to improve incident visibility.

Backend Engineer | *Association of Computing Machinery UTD*   **September 2024 – November 2024**

- Built and maintained backend services for a React Native mobile app using the MERN stack**.**
- Collaborated with frontend developers, a project manager, and an industry mentor to align implementation with product goals and timelines.

PROJECTS

Cross Mart | *Spring Boot • ReactJS • PostgreSQL*   **August 2025 – October 2025**

- Developed a cross-country marketplace platform that allows users to request and purchase overseas items from travelers at fair prices, facilitating peer-to-peer transactions and traveler matching
- Created a solution to high import fees, encouraging users to connect with travelers who can fulfill any possible product requests.
- Utilized WebSockets to enable real time communication between users

Harmoni | *React Native • MongoDB • ExpressJS*   **September 2024 – December 2024**

- Developed a mobile social media app, enabling users to create groups, sync calendars, and find overlapping free times for event planning.
- Implemented backend APIs for user authentication, group management, and event polling, ensuring seamless integration with the frontend.
- Integrated RESTful API endpoints with the frontend to enable real-time user interactions and data synchronization.

Olympus | *MCP • Terraform • DynamoDB • Flask • ReactJS • NVIDIA Nemotron*   **November 2025**

- Developed an intelligent System Admin Platform that lets you control and manage cloud resources.
- Utilized terraform to handle cloud infrastructure as code and MCP to allow controlling infrastructure through NVIDIA's Nemotron Nano LLM.
- Created an automated ticketing system that assigns issues to the most qualified users based on experience/skills.

TECHNICAL SKILLS

Languages: Python, C++, Java, JavaScript, SQL, Prolog
Frameworks: ReactJS, Flask, Django, React Native, ExpressJS, NodeJS, Spring boot
Databases: MongoDB, MySQL, PostgreSQL, Chroma DB, Firebase
Developer Tools: AWS, Azure, Terraform, Kafka, Docker, Kubernetes, Datadog, CI/CD, Linux, Git

CERTIFICATIONS

AWS Certified Cloud Practitioner (CLF-C02) – *Amazon Web Services*   **October 2025**
Python for Data Science and AI - *IBM*   **February 2025**