

# 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.
- Increased application reliability by detecting and resolving recurring error logs from Redis/KubernetesApiServer, accounting for 24% of total errors.
- 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 • Docker • 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, Flutter, Spring boot

**Databases:** MongoDB, MySQL, PostgreSQL, Chroma DB, Firebase

**Developer Tools:** Terraform, MCP, Docker, Kubernetes, Datadog, CI/CD, Linux, Git, Postman, Figma

## CERTIFICATIONS

### AWS Certified Cloud Practitioner (CLF-C02) – Amazon Web Services

October 2025

### Python for Data Science and AI - IBM

February 2025