

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.

PRISM | *LangChain • HuggingFace • ChromaDB • Flask • ReactJS*

April 2025

- Created a RAG-powered report advisor enabling users to upload financial reports and query them interactively for deep and meaningful insights.
- Implemented text extraction, chunking, and embedding pipelines, integrating a vector database for efficient semantic retrieval while adhering to model token limits.
- Integrated Google Gemini to generate context-aware responses, maintaining structured chat history and source attribution.

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: 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