

Muhammad Amsal Imran

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SUMMARY

At the University of Texas at Dallas, there is a Computer Science student who is innovative and detail-oriented. The student has practical experience in the development of AI applications, automation systems, and web solutions. The student is well-versed in the programming, research, and problem-solving areas and is thus able to produce technologies with a big impact. The student has received recognition for the leading role played in organizations on campus and for participation in collaborative technical projects that combined AI, data analysis, and sustainable engineering.

EDUCATION

The University of Texas at Dallas, Richardson, TX

(Expected May 2029)

Bachelor of Science, Computer Science

- Coursework: Programming Fundamentals (C++), Data Structures & Algorithms, Calculus I, Rhetoric & Composition, Engineering Design, AI Concepts

Beaconhouse College Program, Faisalabad, Punjab, **Pakistan**,

August 2025

A Levels,

TECHNICAL SKILLS

Programming: C++, Python, JavaScript, HTML, CSS

Frameworks & Tools: React Native, Node.js, Figma, Canva, OpenAI API,

TensorFlow Software & Platforms: GitHub, Notion, Visual Studio Code, ZyBooks, Google Cloud

Specializations: Backend Development, AI Integration, Automation Systems

PROJECT EXPERIENCE

AI Question Support Checker App – CS 1200 Group Project, UTD

(Sep 2025 – Present)

Designed and implemented a multi-screen AI Q&A app using Node.js, OpenAI API, and Figma. Built intelligent feedback scoring and response evaluation features, improving user interactivity and accuracy. Collaborated with a 4-member team to deliver wireframes and workflows on time.

Grafana Dashboard (Dallas Formula Racing) – Jonsson School of Engineering

(Aug 2025 – Present)

Developing backend modules for a real-time telemetry dashboard using Python and Grafana. Integrating AI-based overlays for vehicle analytics, geospatial tracking, and driver performance insights. Supporting software-hardware data communication for UTA Autocross 2025.

Dead Leaves to Paper Machine – Patent Holder

(May 2023 – Jul 2024)

Invented an eco-friendly paper-producing system that converts dead leaves into usable paper via AI-optimized chemical and mechanical processes. Automated efficiency control through machine learning and achieved patent recognition for sustainable engineering innovation.

360 View App – Patent Holder

(Feb 2024 – Jun 2024)

Developed an AI-powered object detection app that identifies and describes objects using real-time camera scanning and barcode recognition. Implemented TensorFlow-based recognition algorithms to enhance accessibility and data retrieval.

CAMPUS INVOLVEMENT

Dallas Formula Racing (DFR) – Software Team Member

(Aug 2025 – Present)

Beaconhouse Model United Nations (BFMUN) – Assistant Director, Registration

(Feb 2024)

Science Event Organizer – College Innovation Week

(2023)