

Shouq Aldrees

+1 857 763-6644
+966 540819911

Shougaldrees@gmail.com
Shouqald@bu.edu

Boston, MA, United States | Riyadh, Saudi Arabia

EDUCATION

B.A in Computer Science

Boston University, Boston, MA

- **GPA: 3.95/4**
- **Dean's list** [All Attended Semesters]

Expected graduation May, 2027

EXPERIENCE

Research, Development, and Innovation Authority

Jul 2025 - Present

Product Developer and Full-Stack Intern

- Built a market intelligence dashboard to support decision-making in deep tech. Helped identify R&D-ready companies, startup opportunities, and tailored incentive programs.

Public Interest Technology, BU Spark!

May 2025 - Jul 2025

UI/UX Designer and Front-end Engineer

- Designed and built two civic tech mobile-first web apps used by **25+ local organizations and City Council staff**, integrating 311 police data and community transcripts, and **100+ curated local resources**.
- Led end-to-end UI/UX and frontend development using Figma, Next.js, and Strapi to deliver mobile-first platforms with smart filtering, LLM-powered sentiment analysis, and real-time map visualizations.

AI and Human-Machine Interaction Lab

Sept 2024 - Present

Research Assistant

- Conducted over **+35 simulations** using the *CARLA* platform to develop and test AI-driven solutions for enhanced human-machine interactions.
- Enhanced model performance by **20%** through iterative testing and tuning of perception and control algorithms.

Boston University, Saudi Cultural Club

Jun 2024 - Present

Head of Digital Design and Public Relations Chair

- Designed all digital and print materials for events, including posters, social media graphics, and presentations, reaching **700+ students** at BU.
- Built partnerships and engaged with campus organizations and local communities to promote cultural awareness and collaboration.

PROGRAMMING PROJECTS

Dorchester Public Safety Web App (On The Porch)

- Designed and built an interactive map-based platform that combines 311 and crime data with LLM-powered sentiment from community transcripts, helping residents visualize local safety trends and advocate for change.

District 6 Resource Web App

- Developed a mobile-first web app for Boston City Council to centralize 100+ community services and events; implemented smart filtering, map integration, and a Strapi-powered admin dashboard for staff updates.

Suggest Stream - Web App

- Built a web-based movie recommendation system that delivers personalized suggestions based on user preferences and watch history, achieving **~88% accuracy** in matching user-rated favorites.

C-Based Calculator Application

- Designed and implemented a command-line calculator in C supporting basic arithmetic operations, operator precedence, and input validation.

EXTRACURRICULAR ACTIVITIES

- **MIT GEM Hackathon**, focuses on solutions in energy monitoring 2024
- **Mini Hack by BU Spark! - Hackathon**, app and game development hackathon 2023
- **BU Global House Member**, a living-learning community 2023
- **BU Consulting Group**, solves real-world business cases 2023

AWARDS & CERTIFICATIONS

- Aramco Scholar (Full-Ride Scholarship)
- SABIC Sponsorship Program Recipient
- Dean's List at Boston University
- Dale Carnegie Wathiq1 & Wathiq2

SKILLS

Languages & Frameworks: Python (Pandas, NumPy), Java (Spring Boot), JavaScript, C/C++, Assembly
Web Development: Node.js, Strapi.js, React, RESTful APIs
Databases: PostgreSQL, SQL
UI/UX Design: Figma, Adobe XD, Graphic Design
Tools: Power BI, Excel, Git, GitHub