SULTAN SADIQ

(313) 329-3543 - sultansadiq06@gmail.com - Houston, TX, 77083

EDUCATION
Computer Science(major)   Expected Date of Graduation: May 2026
University of Houston- Houston, Texas
Cumulative GPA: 3.789 / Awards: Academic Excellence Scholarship, Dean's Distinguished Scholar

RELEVANT COURSEWORK
COSC 3360: Operating Systems   HDCS 1300: Human Ecosystem & Tech Change
GEOL 1303: Physical Geology   MATH 2305: Discrete Mathematics

ACADEMIC PROJECTS
BirdNET Local Server Deployment, University of Houston   July 2024
- Collaborated with the official herpetologist of Texas and a doctorate professor from the University of St. Thomas on a conservation project.
- Assisted in setting up and managing a local server for BirdNET, a machine learning-powered tool used for identifying bird species from audio recordings.
- Automated server tasks using Python and Bash for real-time audio processing.
- Integrated BirdNET with existing conservation tools and provided ongoing technical support.

Turn Based RPG Game, University of Houston   November 2023
- Designed and implemented a turn-based RPG game in C++, featuring a robust character hierarchy and polymorphic structure
- Developed a dynamic game loop, file I/O for game saving/loading, and an intuitive menu system for user engagement.
- *The project can be accessed from this link: https://github.com/Salty068/African-Mythology-Mugen/tree/main*

EXPERIENCE
Software Engineer Intern
Docupath Data Analytics LLC.   Aug. 2023 - Present
Houston, TX
- Integrated Twilio SMS into the app and utilized real-time data to monitor market volatility.
- Gained experience with GitHub collaboration, Amazon AWS, and Microsoft Azure.
- Utilized environment variables for secure third-party service integration.
- Worked closely with a mentor that guided me and gave insights into topics I was not familiar with.

Resident Advisor
University of Houston – Student Housing and Residential Life   Aug. 2023 - Present
Moody Towers Residence Hall
- Oversaw the well-being of 30 residents, facilitating conflict resolution and community-building events.
- Managed time between an 18-credit-hour academic workload and RA responsibilities.
- Named Resident Advisor of the month, for the month of November 2023.

Academic Chair
University of Houston Tau Kappa Epsilon Fraternity   Sep. 2023 – May. 2024
Epsilon - Omicron
- Appointed as the Academic Chair for Tau Kappa Epsilon fraternity, demonstrating leadership and dedication to academic excellence within the organization.
- Improved chapter GPA from 3.1 to 3.36 by holding members accountable and creating personalized study plans.
- Balanced academic and fraternity responsibilities while driving the chapter's academic success.

SKILLS
Technical Skills: Python, C++, HTML, Bash Scripting, Server Management, Object-Oriented Programming
Tools & Platforms: GitHub, Microsoft Azure, Amazon AWS, Twilio