SULTAN SADIQ

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https://uhsultansadiqportfolio.com/

EDUCATION

University of Houston- Houston, Texas   Expected Date of Graduation: **May 2026**
Bachelors of Science, Computer Science
GPA: 3.62

RELEVANT COURSEWORK

Algorithms and Data Structures, Intro to Automata and Computability, Mathematical Analysis, Statistics for the Sciences, Operating Systems

PROJECT EXPERIENCE

BirdNET Local Server Deployment, University of St. Thomas   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.

Real-Time Chat Application   Feb 2024

- Developed a full-stack real-time chat application using Node.js, Express, Socket.IO, and MongoDB.
- Implemented user authentication, secure session handling, and a responsive interface for seamless multi-device use.
- *Enabled instant two-way communication with high reliability and usability.* *https://shorturl.at/AIoJn*

WORK EXPERIENCE

Software Engineer Intern
Docupath Data Analytics LLC.   Aug 2023 – May 2024
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.

LEADERSHIP EXPERIENCE

Academic Chair
University of Houston Tau Kappa Epsilon Fraternity   Sept 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++, HTML5, CSS, Node.js, Server Management, JavaScript
Tools & Platforms: GitHub, Amazon AWS, Twilio, Visual Studio, Obsidian, MongoDB