SYED H. HUSAIN

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EDUCATION

University of Texas at Austin	Bachelor of Science, Computer Science | GPA: 3.75 Minor: Business Administration Leadership:	Dec 2021

- Financial Director; UTCS Roadshow
- Webmaster; Nueces Mosque

TECHNICAL SKILLS

- **Proficient:** Java, Microsoft Azure, HTML, CSS, IBM Watson, BeautifulSoup, Selenium, Git
- **Familiar:** Python, C++, C, JavaScript, Django, Tableau, ParseHub

EXPERIENCE

Data Analytics Intern*; Scholars – Memphis, TN (Remote)*   Nov 2020 – April 2021
- Developed a data scraping strategy using Selenium and BeautifulSoup libraries to compile over 4,000 data points utilized on the Scholars technology platform
- Targeted data collection for brands in the Fortune 500 and increased sales efficiency through the scraper
- Analyzed data points for relevancy and reported trends to maximize statistical efficiency

Research Assistant*; Intelligent Environments Lab, UT Austin – Austin, TX*   May 2020 – July 2020
- Contributed to a research study examining the impacts of Covid-19 on civil infrastructure
- Developed a robust crawler using the BeautifulSoup library to scrape Covid-19 data from various websites based on locations, demographics, and mobility patterns
- Ran the crawler on an everyday basis to collect and organize data points in JSON and CSV formats

Software Engineering Intern*; San Jacinto College – Pasadena, TX*   Aug 2018 – Dec 2018
- Built a chatbot which eliminated waiting times by 48% for students by automating responses to hundreds of frequently asked questions about admission and financial aid processes
- Designed an interactive user interface in CSS and deployed the chatbot to the main website
- Implemented a pipeline from the main server to the iOS app using Python's framework Django to securely integrate student, staff, and faculty data

PROJECTS

Talking Hands   Oct 2020
- Designed an application in HackTX Hackathon 2020 which uses Artificial Intelligence and computer vision to convert American Sign Language into English speech
- Organized & filtered data sets, trained the Microsoft Azure AI model, and implemented the TensorFlow package in the desktop and android application

The Dazed Maze   Aug 2020
- Built a text-based maze game in Java in which the player navigates through several rooms to reach the target location
- Incorporated principles of Object-Oriented Programming and Data Structures to organize the codebase

Protect the Paywall   Aug 2020
- Developed an algorithm to find security flaws in major newspaper sites regarding paywalls on web pages
- Utilized JavaScript to detect vulnerabilities and reported them to the site engineers

Stutterless   Nov 2019
- Created an iOS application in HackTX Hackathon 2019 that uses machine learning to recognize stuttering and provide real-time feedback
- Collected speech data and trained the model in Microsoft Azure, resulting in an 86% accuracy rate

ACCOMPLISHMENTS

- Louis E. Rosier Memorial Undergraduate Scholarship   Aug 2020
- Coca-Cola Leaders of Promise Scholarship   Aug 2018
- Outstanding Student Employee of the Year   Mar 2018