

Hassaan Mubashir

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Education

B.S. Computer Science | Lamar University | December 2022

- Relevant coursework: Data Structures, Algorithms Analysis, Software Engineering, Operating Systems, UNIX/C++, Database Design, Big Data, Computer Architecture
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Skills & Tools

- Java, Python, C++, SQL, HTML, JS
 - Git, IntelliJ IDEA, Eclipse, PyCharm, Windows, Linux, MacOS, MS Office
 - Object-Oriented Programming & SDLC
 - Excellent communication and collaboration skills
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Projects

Voting System Simulation

- Led a team of programmers on the design and implementation of a voting system for elections using Java.
- Implemented a database to store vote, voter, and candidate objects. Users can vote for Senate, House, and President/Vice President.
- Added administrator functionalities such as registering voters and displaying candidate information, voter information, and election results.

Automated Discord Bot

- Programmed an AI Discord bot in Python that uses commands to automatically fetch links to the most optimized builds and guides for any character from the video game League of Legends.
- Used the Python Requests library, Discord.py API, and Beautiful Soup 4 to cut down build and guide retrieval time from 10 seconds to 6 seconds, resulting in a 40% Improvement in efficiency.

UNIX Shell

- Collaborated with classmates and played a leading role to write a UNIX shell in C, which is capable of interpreting and executing basic UNIX commands.
- Tested the shell program with PuTTY to access a Linux server with a remote command line interface and used WinSCP for transferring files from a local computer to a server.

Portfolio Website

- Worked in HTML5/CSS/JavaScript to create an introduction website for showcasing projects.
- Published using GitHub Pages.