

Aliyan Momin

Houston, Texas | aliyanmodi2003@gmail.com | (832) – 847 – 3150

Aliyanmomin.com

SUMMARY

I am an ambitious individual currently engaged in the pursuit of a bachelor's degree in computer science with a minor in Mathematics at the University of Houston. Experienced in many computational languages such as Python, C++, and Java. Seeking an internship position in the software/technology field.

EDUCATION

University of Houston | *Bachelor of Science in Computer Science* | *Houston, Texas* | **Expected in 05-2025**

- Cumulative GPA: 3.9
- Relevant Courses: Introduction to Programming, Computer Science Programming, Data Structures and Algorithms, Computer Organization and Architecture, Operating Systems, Circuit Theory

EXPERIENCE

Kamlesh Enterprises | *Information Technology Representative* | *Houston, Texas* | **July 2021- Jan 2023**

- Operated and maintained a POS system to effectively store payments and keep track of day-to-day sales.
- Diagnosed software systems and removed all malicious programs.
- Sustained an organized environment in which customers can locate merchandise easily.

PROJECTS

Fraudulent ID Scanner | C++ | *Fall 2022*

- Created a software that scans a database and decodes the given ID numbers to detect which ID numbers are forged and which ID numbers are completely innocent.
- Helps prevent any future ID forgery by implementing additional security measures around lost ID's.
- Used a variation of stacks and linked lists to write this program.

Tamagotchi Pet Game | C++ | *Summer 2022*

- Developed an interactive game that presents the user with different activities to do with their virtual pet. Each activity had a unique impact on the pet's attributes such as hunger, energy, and happiness
- Replicated the original handheld Tamagotchi game in C++.

Multithreaded Huffman Tree | C++ | *Spring 2023*

- Implemented a software that uses POSIX threads to parallelize the encoding and decoding processes of Huffman binary trees.
- By harnessing multiple threads, it ensures optimal CPU utilization while compressing or decompressing data using the Huffman algorithm.
- Returns output in optimal run time.

SKILLS

Technical Skills:

- | | |
|--------------|---------|
| ▪ C++ | ▪ React |
| ▪ Java | ▪ Swift |
| ▪ Python | ▪ HTML |
| ▪ JavaScript | ▪ CSS |

