

Ahmed Adiba

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[GitHub](#): aadibaahmed

Skills

- C++, Python, R, MatLab, JavaScript, HTML, CSS, GD script, ARM Assembly, Excel
- Problem-solving, Time Management, Critical Thinking, Fast Learner
- Fluent in English and Bengali; Conversational: Urdu, Hindi, and Spanish

Professional Experience

Louisiana Fried Chicken, Houston, TX

Assistant Store Manager, June 2021 - present

- Lead a team of 4-6 people and managed the store daily
- Managed Inventory and made orders for inventory items when needed
- Interacted and served hundreds of customers on a daily basis
- Trained new employees of the company
- Trusted with opening and closing the store

Education

University Of Houston, Houston, TX

August 2022 - Present

Pursuing Bachelor of Science in *Computer Science*

Minor in *Mathematics*

Projects

Finished:

To-Do List: *JavaScript, NodeJS, ReactJS, ExpressJS, MongoDB*

- Designed a To-Do list using ExpressJS and implemented a server/client configuration. Learned how to connect a database to add, remove, and store tasks according to the user's choice.

Dungeon RPG (Role-Playing Game): *C++*

- Created a text-based role-playing game where players can traverse a dungeon, and interact with enemies/loot through the terminal.

Tower Hanoi Problem Solution: *ARM Assembly*

- An assembly code-based solution for the Tower Hanoi (A well-known mathematical problem). The project uses stack pointers and recursive algorithms.

On-going:

Detect Copy-Move Forgery: *Python, OpenCV*

- Given a dataset of copy-move forged images, attempting to create a code base to highlight the forged region correctly. Implemented a block division-based analysis to identify copied areas of an image.

2D Pixel Game: *Godot, GDScript, Aseprite*

- Creating a small 2D game where characters go around an open world to complete tasks and discover new items. Learned to create 2D sprites and animations, while using GD script to code and interact with characters and items in the game.

Relevant Coursework

Data Structures and Algorithm - Gained knowledge about structures and algorithms to store data efficiently and create well-organized programs with the help of assignments in C++.

Computer Organization and Architecture - Learned about components and how the computer is designed/structured.

Activities

Computer Vision Research Cohort

October 2024 - Present

- Directed by Professor [Dr. Shah](#)
- Work on solutions to Image forgery using code and libraries.
- Meet once a week to share updates and discuss future plans