

Amsha Gaffar

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EDUCATION

University of Houston

Houston, Texas

Double Major:

Computer Science & Psychology

B.S. in Computer Science

May 2025

- GPA: 3.7
- Relevant Coursework: Data Structures, Algorithms, Discrete Math, Operating Systems, & Linear Algebra

SKILLS & TECHNOLOGIES

Proficient in Python, Visual Studio Code, C++, C, Replit, Excel, HTML, CSS

Competent in Git, Github, JavaScript

WORK EXPERIENCE/ LEADERSHIP EXPERIENCE

Mathnasium

Houston, TX

Lead Instructor/Assistant Director

July 2021-January 2023

- Led employees in providing exceptional instruction/tutoring services to students
- Conducted center tours as well as consultative sales presentations, resulting in increased enrollment and revenue
- Scheduled & enrolled students
- Evaluated & tracked progress of 80 students, utilizing data to identify areas for improvement and personalized learning plans
- Communicated with parents & teachers in order to build a personalized learning plan for each student
- Managed center during instructional hours, doing everything from assigning students to instructors, reviewing concepts with students, & adjusting student/instructor ratios
- Coached and trained instructor team
- Participated in local marketing opportunities such as sponsorship events

PROJECTS

Pokemon 1v1 Battle Game | C++

- Developed a Pokemon 1v1 battle game using C++ to determine proficiency in object-oriented programming and game development
- Crafted a flexible class hierarchy to represent 3 different Pokemon starter species, each with unique battle moves and characteristics

Personal Website | HTML, CSS, & JS

- Designed and developed a personal website leveraging HTML, CSS, and JavaScript to create an interactive platform showcasing a diverse array of projects
- Provides in-depth project documentation, code samples, and a user-friendly interface for seamless navigation

Fully Responsive Music Player | HTML, CSS, & JS

- Engineered a dynamic and user-friendly music player application from scratch using HTML, CSS, and JavaScript
- Integrated essential functionalities like play, pause, skip, volume control, and playlist management to optimize user experience

HONORS & AWARDS

Dean's List Recipient

University of Houston

Fall 2021, Spring 2022, Fall 2022, & Spring 2023

- Obtained over a 3.50 GPA for both term as well as cumulative GPAs for Fall 2021, Spring 2022, Fall 2022, & Spring 2023