

# Md Ahnaf Abid Hossain

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## WORK EXPERIENCE

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### Code Ninjas

Sept. 2018 – August 2021

*Lead Sensei*

*Pearland, Tx*

- Code Ninjas is an education institution where kids between the ages of 7-14 are taught how to code through game development.
- As a Lead Sensei I have monitored over 50 students' progress and mentored them accordingly.
- Learned Scratch, JavaScript, C#, Lua to teach kids how to code in Roblox Studios, Unity, Code Combat, and a game engine specifically made for Code Ninjas.
- Led and planned multiple summer camps with a few other senseis in various fun programs focusing on teamwork and creativity such as Minecraft world edit, Website creation through HTML, Stop motion animation, Storytelling in Scratch, Microbits and Arduinos etc.
- Tested and helped create curriculum in Lua, C# to help kids learn the different game development engines.

## EDUCATION AND ACADEMIC ACCOMPLISHMENTS

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### Texas A&M University

August 2021 - Expected Graduation: May 2024

*Computer Science (GPA: 3.76)*

*College Station, Tx*

**Relevant Coursework:** CSCE 121: Intro to Program Design and Concepts (C++), CSCE 222: Discrete Structures and Algorithms, AP Computer Science A: Intro to computer science in Java

- Earned the designation of “**Dean's Honor Roll**” for Spring 2022.
- 1460 SAT (99<sup>th</sup> percentile) / QuestBridge National College Match Finalist

## PERSONAL PROJECTS

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- **SEAM CARVING ALGORITHM:** Seam carving algorithm for PPM images. Showcase of algorithmic thinking, accessing, and manipulating files in C++. (College Assignment) **-C++**
- **DUNGEON HUNTER:** A console game built in C++ that uses various concepts such as dynamic memory use, complex algorithms, file handling and much more concepts. (College Assignment) **-C++**
- **COOKIE CLICKER BOT:** First project I worked on after learning web-automation was made a cookie clicker bot which would automate the cookie clicker game through selenium. **- Python, Selenium**
- **YELP WEB-SCRAPER:** I used selenium to code a web scraper which would fetch data from Yelp.com. The program lists possible restaurants for the users based on their inputs. **-Python, Selenium**

## EXTRACURRICULARS

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### TAMU Robomasters

September 2021

*College Station, Tx*

- Learning to work on projects, write and test code in a team environment.
- Getting acquainted with OpenCv in python.
- Working on a Kalman filter script for predicting movement of enemy robots; integrating Zed sdk with our codebase; writing a bullet drop script for calculating accurate angle of shooting the bullet.

### J.P Morgan Software Engineering Virtual Experience Certification

Summer, 2022

- Worked with **React** and **typescript** to visualize stock data on a client website.
- Used **Python** to correctly output stock prices, interfaced with stock price data feed and produce tests for it.
- Managed the UI of the graph made using React and typescript to show the data feed collected from the **Perspective api**.