

Syed Afraz

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SUMMARY

Hey there! I'm a passionate student with a knack for Python programming and a love for web development. I'm super pumped about joining CodeAlpha's Training + Internship program, where I can dive deep into learning and contribute my skills to real-world projects.

EXPERIENCE

Python Teacher

Adamjee Model school

June 2023 - July 2023, Karachi

- Taught Python programming to students, covering fundamentals topics.
- Developed lesson plans and assignments, provided personalized assistance.
- Created a collaborative learning environment, evaluated student progress.

Freelance Pygame developer independent

July 2023 - July 2023, virtual

- Developed territorial capture game using Pygame framework.
- Implemented core game mechanics, UI elements, and rule systems.
- Collaborated with client to refine concepts and iterate on gameplay.

PROJECTS

Pygame The Algorithm Visualizer

https://github.com/Afrazsajid/python_projects/tree/main/algorithm%20visualizer

- 1 Solo project utilizing Pygame for dynamic algorithm visualization.
- 2 Inspired by a desire to enhance understanding of sorting and searching algorithms.
- 3 Implemented real-time visualization and user interface design to create an interactive learning experience.

Dodging Car

<https://github.com/Afrazsajid/Games-With-Python/tree/main/car%20dodge>

- A Python game reminiscent of classic keypad mobile games.
- Inspired by nostalgic gaming experiences from the past.
- Players navigate a car through obstacles using Pygame, showcasing retro-inspired gameplay.

Groovy Tunes Music

<https://github.com/Afrazsajid/musicplayer>

- Developed a web-based music player using HTML, CSS, and JavaScript.
- Implemented features such as song switching and playlist creation.
- Currently working on adding functionality for user-uploaded songs and customizable playlists.
- Overcame deployment challenges and continuously improving app functionality.

EDUCATION

(HSSC) - Pre-Engineering (current)

Minor in chemistry • 2025

Matriculation

Adamjee Model School • Karachi, Pakistan • 2023 • 84%

- representative of my school in boards of secondary speech competition

SKILLS

Front End: HTML, CSS and JavaScript

Python

Pygame
