

# Md Abrar Al Zabir

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## EDUCATION

### The University of Texas at Dallas

Richardson, TX

*Bachelor of Science in Computer Science, Minor in Artificial Intelligence*

Aug. 2024 – May 2028

### Maple Leaf International School

Dhaka, Bangladesh

*International A level & International GCSEs*

July 2015 – Jan 2024

- GPA: 5.0/5.0 (Science)

## EXPERIENCE

### S5 Builder

June 2024 – Present

#### *Buildspace*

- Built a software product named Virtual Assistant Mouse, which is an ML-based Python project utilizing modules like OpenCV, MediaPipe, and PyAutoGUI, to allow users to use a hands-free assistant mouse controlled via webcam, as part of an open-to-all program.
- Worked on adding left-click functionalities as detected by users' hand gestures for a smooth hands-free experience to execute operations.
- Currently working on improving the user interface and including more functionalities like right-click and zoom to enhance the user experience further.

### Teaching Assistant

Sept 2023 – July 2024

#### *Vertical Horizon*

- Actively tutored students who needed assistance with AS and A2 Chemistry, covering all topics. Accurately check examination papers according to marking scheme guidelines (MS) provided by Edexcel (board). Invigilated routinely during mock examinations according to specific set-time duties.
- Helped prepare high-quality digitalized exam-specific notes with emphasis on visualization for a better understanding of organic structures.
- Worked on data entry for batch-specific attendance in the office.

## PROJECTS

### Personal Portfolio Website | HTML, CSS, JavaScript

- Clean slated a portfolio website utilizing a simple black-and-white UI and made it functional using JavaScript.
- GitHub link: <https://github.com/ClosetCoderSad/Personal-Website>

### Virtual Assistant Mouse | Python, OOP, OpenCV, MediaPipe, PyAutoGUI

- A Machine Learning-based Python project utilizing modules like OpenCV, MediaPipe, and PyAutoGUI.
- GitHub link: [https://github.com/ClosetCoderSad/AI\\_Assistant\\_Mouse](https://github.com/ClosetCoderSad/AI_Assistant_Mouse)

### Tic-Tac-Toe | JavaScript, HTML, CSS

- A simple game made using logic of JavaScript, and UI styled using simple HTML, CSS.
- GitHub link: <https://github.com/ClosetCoderSad/Tic-Tac-Toe-Game>

## TECHNICAL SKILLS

**Languages:** Python, JavaScript, HTML, CSS

**Frameworks:** Bootstrap, ReactJs(Learning)

**Developer Tools:** Git, GitHub, VS Code, PyCharm