

# Muntaqa Maahi

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## EDUCATION

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### University At Buffalo

*Bachelor of Science in Computer Science*

Buffalo, NY

*Graduation: May 2023*

- **Relevant Courses:**

Algorithms and Complexity, Database Systems, Data Structures, Computer Architecture, Computer Vision

## EXPERIENCE

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### Coding Instructor

*Kidzwhiz*

May 2020 - April 2023

*Toronto, ON*

- Assisted students in designing and developing projects, providing mentorship and feedback throughout the development process
- Conducted group and one-on-one lessons, teaching computer science concepts as well as programming languages such as Scratch, Python, and JavaScript

### Student Engagement Conference Web Application Developer

*University at Buffalo*

August 2022 – February 2023

*Buffalo, NY*

- Collaborated with the Student Engagement team at the University at Buffalo to create a dynamic and user-friendly web application for the annual Next Level conference
- Developed the web app using Tailwind CSS, ensuring a seamless user experience and visually appealing design
- Created a responsive and ADA-compliant application, compatible across various devices and browsers

## PROJECTS

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### Netflix Clone | *ReactJS, TailwindCSS* | <https://netflixmockupmaahi.netlify.app>

- Developed a Netflix clone using Tailwind CSS and React, leveraging Firebase for user authentication and TMDB API for movie data retrieval
- Designed and implemented a responsive and user-friendly interface that closely resembles the Netflix UI, providing an immersive streaming experience to users
- Optimized the performance and scalability of the application, achieving high levels of reliability and availability by leveraging Firebase hosting and database

### Algorithm Visualizer | *React, JavaScript, Bootstrap, D3.js* | <https://bubblesortvisualization.netlify.app/>

- Developed a dynamic visualization tool that illustrates the step-by-step process of the Bubble Sort algorithm
- Utilized React for building the user interface, JavaScript for implementing the algorithm logic, and Bootstrap for styling
- Integrated D3.js to create engaging, interactive data bars, providing a visually rich experience for understanding sorting techniques

### Foodle: A Food-Inspired Wordle Game | *Flutter, Dart* | <https://foodwordle.netlify.app/>

- A Wordle game with a twist—every word in the game is a five-letter food item.
- Designed an intuitive, minimalistic user interface using Flutter and Dart to provide a seamless gaming experience
- Utilized Flutter for cross-platform deployment, ensuring a consistent user experience on multiple devices
- Employed Dart's asynchronous programming features to achieve smooth gameplay without lags or stutters

## TECHNICAL SKILLS

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**Languages:** Java, Python, C/C++, SQL (Postgres, mySQL, RDBMS), JavaScript

**Frameworks:** React, Node.js, JUnit, Criterion

**Developer Tools:** Github, Zenhub, Conda, Heroku, Linux

**Libraries:** openCV, Torchvision, numpy