

Muntaqa Maahi

347-963-8176 | munma980@gmail.com | www.muntaqamaahi.com

EDUCATION

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

Coding Instructor

Kidzwhiz

May 2020 - April 2023

Buffalo, NY

- 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

Web Developer intern

Student Engagement @ 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
- Primarily focused on **front-end development**, using **Tailwind CSS** to create a visually appealing and seamless user experience for the web application.
- Created a responsive and ADA-compliant application, compatible across various devices and browsers
- Leveraged **Docker** to manage the application's deployment efficiently. This approach ensured a consistent and scalable server environment, contributing to the robustness and reliability of the web application.

🏆 Awarded *The Pillars of Leadership Award* for exceptional contributions to *Next Level Conference* by the University at Buffalo.

PROJECTS

GreatReads - A Goodreads Clone | Full-Stack: React, TailwindCSS, Supabase | <https://greattreads.netlify.app/>

- Developed a **full-stack** book tracking platform, handling both **front-end** and **back-end development**, inspired by Goodreads
- Implemented key features like book browsing, detailed book information, and reading progress tracking.
- Integrated Google Books and New York Times **APIs** for book data and trending lists for dynamic content.
- Enabled **user authentication**, profile customization, and provided options for guest/demo user access.

Image Stitching Project | Python, PyTorch, Kornia | <https://github.com/muntaqam/Image-Processing>

- Developed an image stitching and panorama creation tool using **Python**, **PyTorch**, and Kornia.
- Implemented feature extraction, matching, and homography computation to merge images seamlessly.
- Focused on creating a seamless mosaic from images with common backgrounds and eliminating moving foreground objects.
- Adhered to constraints of not using traditional libraries like OpenCV, instead leveraging **Kornia** for **CV** operations.

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

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

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

Developer Tools: GitHub, Zenhub, Conda, Heroku, Linux

Libraries: OpenCV, Torchvision, Numpy