Muntaqa Maahi

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

EDUCATION

University At Buffalo   Buffalo, NY
Bachelor of Science in Computer Science   *Graduation: May 2023*
- **Relevant Courses:**
  Algorithms and Complexity, Database Systems, Data Structures, Computer Architecture, Computer Vision

EXPERIENCE

Coding Instructor   May 2020 - April 2023
Kidzwhiz   *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   August 2022 – February 2023
University at Buffalo   *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 **API**s 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, JavaScript, **Typescript**, Python, C/C++, SQL(Postgres, MySQL, RDBMS)
Frameworks: React, Next.js, TailwindCSS, Redux, JUnit, Criterion
Developer Tools: Git, Zenhub, Conda, Heroku
Libraries: OpenCV, Torchvision, Numpy, **Node.js**