Muntaqa Maahi

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

EDUCATION

University At Buffalo — Graduation: May 2023
B.S. Computer Science — *Buffalo, NY*
- **Relevant Courses:**
  Algorithms and Complexity, Database Systems, Data Structures, Computer Architecture, Computer Vision

EXPERIENCE

Coding Instructor — May 2020 - April 2023
Kidzwhiz — *Buffalo, NY*
- Mentored 50+ students using project-based learning, ensuring an average completion of 7 projects per student.
- Taught Python, JavaScript, Pygame, and Scratch to students aged 9-19, tailoring lessons for a wide age range.
- Achieved a 90% retention rate, leading to a 35% increase in class participation and project submissions.

Software Engineer Intern — August 2022 – February 2023
University at Buffalo — *Buffalo, NY*
- Collaborated with a team of 4 to create a gamified and ADA-compliant web application for the annual leadership conference.
- Improved the conference experience for 150+ attendees by automating key processes, cutting wait times by 1.5 hours compared to previous years.
- Leveraged Docker for scalable, reliable deployments, ensuring high traffic support without downtime.
- Delivered product deployment two weeks ahead of the deadline, highlighting exceptional efficiency and time management skills.

  🏆 Awarded the *Innovative Student Leadership Award* for exceptional contributions to *Next Level Conference* by the University at Buffalo.

PROJECTS

GreatReads - A Goodreads Clone | *React, Next.js, TailwindCSS, Supabase* — live site | github
- Implemented key features like book browsing, detailed book information, and reading progress tracking.
- Integrated two major APIs (Google Books, New York Times), providing users with access to over a million books and real-time updates on trending books and best-sellers.
- Implemented a comment system for book ratings and reviews, facilitating user-generated content and interaction.
- Developed reusable, real-time search component with Lodash debounce to optimize performance and minimize unnecessary API calls.

Image Stitching Project | *Python, PyTorch, Kornia* — | github
- Developed an advanced image stitching algorithm for feature extraction, matching, and homography computation to merge images seamlessly.
- Generated a seamless mosaic from images with common backgrounds, eliminating moving foreground objects.
- Implemented manual CV operations using Kornia, instead of traditional libraries like OpenCV.

RoadWeather | *React Native, TypeScript* — | github
- Developed a mobile application to provide users with real-time weather forecasts for multiple cities along their road trip route
- Leveraged Google Maps API to dynamically calculate waypoints and integrated WeatherStack API to fetch accurate weather data.
- Implemented efficient API request handling to minimize latency and ensure smooth, real-time updates for users.

TECHNICAL SKILLS

Languages: Python, Java, JavaScript, Typescript, Kotlin, C/C++, ruby/rails
Frameworks & Libraries: HTML5, CSS3, Node.js, React, Next.js, TailwindCSS, Redux, Express.js, Criterion, OpenCV, JQuery, JUnit
Databases: PostgreSQL, MySQL, MongoDB, AWS
Developer Tools: Git, Zenhub, Conda, Heroku, Github