Muhammad Wassay Shahid

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https://wassayshahid.github.io/Website/

EDUCATION

McMaster University   Hamilton, ON
Bachelor of Computer Science   *Aug. 2022– May 2026*
- Data Structures and Algorithms
- Operation Systems
- Data Privacy
- Databases
- Linear Optimization

EXPERIENCE

Public Relations Team Executive   June 2021 – December 2021
Bunyaad   *Lahore, Pakistan*
- Worked as a Public Relations Team Executive at Bunyaad Pakistan, a volunteer-based charity organization, for 7 months in 2021
- Coordinated with various schools, colleges and organizations for collaborations and activities related to social welfare and environmental sustainability
- Planned and executed several projects, such as orphanage visits, food drives, old age home visits, tree plantation drives, and donation drives, reaching out to thousands of beneficiaries
- Learned valuable skills in communication, teamwork, leadership, project management, and social responsibility

Curriculum Developer   July 2021 – August 2021
Care Foundation   *Lahore, Pakistan*
- Worked as a Curriculum Developer at Care Foundation Pakistan, a welfare trust that provides quality education to underprivileged children across Pakistan
- I learned how to design and implement curriculum for computer science and science subjects, following the best practices of a foundation that emphasizes creativity and culture
- Developed creative and critical thinking skills in students by integrating arts into school subjects, following a high functioning classroom model and five creative habits of mind
- Contributed to the improvement of infrastructure, facilities, and teacher training in government schools that were adopted and transformed by Care Foundation

PROJECTS

Portfolio Website Development
- Implemented a responsive portfolio website using HTML, CSS, and JavaScript.
- Incorporated CSS media queries to ensure the website adapts to different screen sizes, including mobile and desktop.
- Developed a mobile-friendly hamburger menu with interactive functionality, controlled via a custom toggleMenu() function in JavaScript.
- Applied CSS transitions to enhance user experience with smooth hover effects and animations for buttons, links, and icons.

Snake Game Development
- Developed a classic Snake Game using Python and Pygame.
- Implemented game logic, including snake movement, fruit consumption, and collision detection.
- Designed a user interface (UI) with distinct colors for the snake, fruit, and background for better visual clarity.
- Managed real-time score display and created a game-over screen with reset functionality.
- Handled user inputs via keyboard to control the snake's movement and adjust gameplay speed.

TECHNICAL SKILLS

Languages: Java, Python, C/C++, SQL , HTML/CSS, Java Script, Haskell, Elm, shell
Frameworks: JUnit
Developer Tools: Git, VS Code, Visual Studio, PyCharm, IntelliJ, Eclipse, DBeaver
Libraries: pandas, NumPy, Matplotlib, pygame