

Muhammad Umar Tariq

I am a web developer skilled in WordPress, React, Next.js, Tailwind CSS, FastAPI, and Python, passionate about generative AI and delivering exceptional online solutions. I thrive on challenges and continually expand my skill set to exceed client objectives.

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EDUCATION

- Matric**
Divisional Public School
06/2007 - 06/2019
Lahore
- Inter**
Government College of Science
08/2019 - 08/2021
Lahore
- BSCS**
Bahria University
10/2021 - Present
GPA-3.53

Courses
 - Computer Programming
 - Object Oriented Programming
 - Database Management Systems
 - Artificial Intelligence
 - Computer Organization & Assembly Language
 - Compiler Construction
 - Data Structure & Algorithm
 - Operating System
 - Web Engineering
 - Data Communication & Networking

PERSONAL PROJECTS

- Chettay App | C++**
 - Focused on the core working of the app to demonstrate understanding of C++ fundamentals.
 - Gained hands-on experience with essential C++ concepts such as loops and arrays.
 - Improved ability to write clean and efficient code, laying the groundwork.
- Daraz App | C++**
 - Applied OOP concepts such as classes, inheritance, polymorphism, and encapsulation in the development process.
 - Gained experience in designing and structuring code to create a scalable and maintainable application.
 - Enhanced ability to develop complex applications by utilizing OOP for better code organization and reusability.
- Inverter Index | C++**
 - Deepened understanding of core DSA concepts and their practical applications in C++.
 - Implemented various data structures such as arrays, linked lists, trees, and hash tables to optimize the indexing process.
 - Focused on creating an efficient indexing system to improve data retrieval and manipulation.
- Airplane Management System | SQL**
 - Integrated SQL for robust database management to handle various aspects of airplane data and operations.
 - Designed and implemented a relational database using SQL to manage flight schedules, passenger information, and maintenance records.
 - Improved ability to create and manage complex databases, enabling efficient and reliable data operations within the system.
- Network schedulers | C++**
 - Network schedulers employ various algorithms such as Round Robin, First Come First Serve (FCFS), and Priority-based scheduling etc.
 - Techniques like scheduling queues and task prioritization contribute to maximizing network throughput and overall system performance.
 - These features enhance system flexibility, responsiveness, and the ability to meet varying demands within dynamic network environments.

SKILLS

- C++CJavaScriptTypeScriptPython
- HTMLCSSReactNextTailwind
- Material UIjQueryPHPMicrosoft Office
- BootstrapFigmaSQLWordPress

SOFT SKILLS

- Team WorkProblem SolvingTime Management
- Self-ManagementSoft Skill

VOLUNTEER EXPERIENCE

- Volunteer**
Al Khidmat Foundation Lahore
03/2024 - 04/2024
Lahore
Alkhidmat Foundation Pakistan is one of the leading, non-profit organization, fully dedicated to humanitarian services

Tasks/Achievements
 - Asan Iftar

CERTIFICATES

- Freelancing (2021)
- Web Development (2023)
- WordPress (2023)
- Digital Marketing (2022)
- Generative AI (2023 - Present)
- eCommerce (2021)