UMAIR SHAKEEL

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Education

- **NEDUET Karachi (2020-24):** BSc in Software Engineering
- **St. Patrick's High School Karachi:** A'Levels Pre-Engineering (Graduated in 2020)

Work Experience

Frontend Developer Intern - Digtrosoft – National Incubation Centre

Project "Munas" (Skills: React, Vite, Tailwind CSS, Git, Postman API)

- Developed secure login and registration forms with token-based authorisation, enhancing user data protection and experience and improving the registration success rate by 77%.
- Implemented dynamic content management by designing tables via APIs to display user-specific content, improving system efficiency by 68% and engagement by 62%.

Frontend Developer Intern - Smart City Lab, NED

Project "World Map" (Skills: JavaScript, Bootstrap, Leaflet.js, CesiumJS)

- Designed an interactive 3D world map webpage to display precipitation and vegetation index data, providing users with visually intuitive insights for environmental analysis.
- Developed a tool to identify water-scarce regions and assist in irrigation channel planning, improving resource allocation and supporting sustainable agricultural practices.

Web Developer & Content Writer - AI Club

- Lead author of the club's tech blog improving social media engagement by 47%.
- Led the design and development of the registration process for AI Fest 4.0.

Academic Projects

Spieldaas - End of Semester Project - July 2022 (Skills: XAMPP, PHP, JavaScript, MySQL, Canva)
- Created a website, providing gamers with the latest updates on games. Improved efficiency in delivering game updates by an estimated 30-40% compared to manual methods.

Realtime Motion Capture – January 2025 (Skills: Python, OpenCV, MediaPipe, CVZone, Unity C#)
- Developed a motion capture system that enabled real-time pose detection and landmark extraction. The system recorded landmark positions with 90-95% accuracy in a CSV file, which was transferred to Unity C# for visualisation in a 3D Vector3 scene.
- Improved motion tracking efficiency by an estimated 40-50%.

Falcon Archery Club - June 2024 (Skills: ReactJS, Git)
- Developed a website featuring daily activities and blogs. Enhanced user engagement by an estimated 25-35% through interactive content and consistent updates, demonstrating proficiency in front-end development and creative design tools.

Miscellaneous

- Achieved 4th Position in IEEE PES's Code in the Dark and 1st in AI Fest 3.0's Logic Hunt.
- Currently learning German, Chinese, Turkish, and Arabic. Can read/write Russian.
- Archery Enthusiast since 2023. Winner of Olympiad 3.0 Chess competition.