MUHAMMAD HASHAM

Lahore, Pakistan

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Education

FAST NUCES **2024**
BS Computer Science *Lahore, Punjab*

Relevant Coursework

- Data Structures
- Algorithms
- Computer Architecture
- Mobile Development
- Database Management
- Artificial Intelligence
- Software Engineering
- Game Development

Experience

FOOMOTION **June 2023 – August 2023**
Web Development - Internship *Lahore, Punjab*

- Gained in-depth knowledge and practical experience in HTML, CSS, JavaScript, React, and Ruby on Rails through an intensive web development bootcamp, successfully applying these skills in real-world projects.
- Engineered and documented RESTful APIs using POSTMAN, managing and optimizing PostgreSQL databases, which improved data retrieval time.
- Contributed to the successful deployment of a real-time web application by integrating React and Ruby on Rails, optimizing performance by 20%, and reducing server response time by 15%

Mindstorm Studios Winter-Jam **February 2023 – March 2023**
Team-Gamiz Developer *Lahore, Punjab*

- Developed a Unity 3D game with 5 unique levels, collaborating with a team to design and implement engaging game mechanics, driving project success.

Projects

Smart Helmet(Final Year Project) | *Mobile Development, IOT*

- Designed and implemented a mobile application that reduces emergency response time significantly by automatically sharing accident locations with emergency contacts, showcasing strong problem-solving and IoT integration skills.
- Engineered the Smart Helmet hardware by integrating Arduino UNO with Gyro and IR Sensors to accurately detect accidents, showcasing expertise in IoT and mobile development.

Real Time Attendance System Using Face Recognition | *Artificial Intelligence, Python*

- Applied advanced concepts in Artificial Intelligence and Image Processing to develop a real-time attendance system using facial recognition, ensuring accurate and efficient tracking.
- Trained and fine-tuned machine learning models to improve facial recognition accuracy, contributing to a seamless user experience and reliable attendance logging.

Smart Mart Website | *Web Development, HTML, CSS and JavaScript*

- Designed and developed an online grocery shopping website using HTML, CSS, and JavaScript, optimizing user experience through intuitive interface design and seamless navigation.
- Integrated responsive web elements to improve accessibility and streamline the shopping process, optimizing overall site performance.

Skills

C++, C, Python, Java, Kotlin, JavaScript, SQL, Assembly Language, HTML, CSS, React, PostgreSQL, POSTMAN, SLATE (API Documentation), Unity-3D, Unreal Engine 5.

Extracurricular

Freelancing **July 2023 – Present**
Additional Experience

- Conducted online tutoring sessions in programming languages and software development concepts, facilitating student success and comprehension in coding practices
- Created high-quality written content on diverse subjects, showcasing exceptional research and communication skills, with a focus on clarity and technical accuracy.

FAST Sports Society **Spring 2023 – Spring 2024**
E-Gaming(Tekken) Captain

- Led the E-Gaming (Tekken) team, applying strategic thinking and teamwork to win the IntraFast Tekken 7 Championship, demonstrating leadership and collaboration skills.