

MUHAMMAD SHAHMEER

Rawalpindi / Pakistan | +92 3119573866 | shahmeerkhokhar365@gmail.com | www.linkedin.com/in/muhammad-shahmeer-597882318

SUMMARY

Motivated Software Engineering student with hands-on experience in MERN stack development, software system design, and user-centered UI/UX projects. Competent at delivering innovative solutions through projects like e-commerce platforms and hotel management systems using modern frameworks such as Spring Boot and tools like Figma. Known for creativity, strong problem-solving skills, and a collaborative mindset gained through active participation in university societies and professional roles.

TECHNICAL SKILLS:

MERN Stack Development: MongoDB, Express.js, React, Node.js

Software Design and Architecture: Spring Boot, MVC

Software Requirements Engineering: Comprehensive analysis and specification documentation

Software Quality Assurance:

- Enhanced test cases using Java programming and TestNG framework
- Execution of JUnit Test Cases and defect reporting using JIRA
- Functional Testing and Integration Testing
- Developed manual test cases for diverse scenarios, ensuring complete project coverage
- Executed test cases, recorded results, and documented defects in JIRA
- Analysed test requirements, derived scenarios, documented test cases, and collected test data
- Executed test cases, analysed test results, and reported bugs using JIRA

Programming Languages: Python, Java, C++, R

Operating Systems: Game development in C++ using graphic libraries like SFML and OpenGL with OS concepts

Database Systems:

- Application development using C# and Microsoft .NET framework
- Experience with MySQL, SQL, and MongoDB

UI/UX Design: Expertise in Figma for prototyping and user-centered design

Web Development and Deployment

PHP & Laravel

Data Structures and Algorithms

Game Development

Video Editing

ACADEMIC PROJECTS

Ecommerce Clothing Brand – MERN Stack Development

- Designed and developed a fully functional e-commerce platform for a clothing brand using MongoDB, Express.js, React, and Node.js.
- Implemented features such as product catalog, shopping cart, and secure payment processing.

Ludo Game Development – C++

- Developed a fully interactive Ludo game using C++ and implemented graphic libraries for a seamless user experience.
- Integrated essential gameplay functionalities, including dice rolling, player turns, and win conditions.

Event Management System – C# and Microsoft .NET

- Created an Event Management System application using C# and the Microsoft .NET framework.

- Incorporated features like event scheduling, attendee management, and real-time updates.

Software Design and Architecture – Hotel Management System (HMS)

- Developed a Hotel Management System using Java and Spring Boot (MVC framework).
- Designed system architecture to optimize functionality and maintain scalability.

Data Structures – Food Delivery Routing Optimization

- Created an efficient routing system for a food delivery application using C++.
- Optimized algorithms to minimize delivery time and resource usage.

Human-Computer Interaction – Trip Manager Application

- Designed a user-friendly trip management UI/UX prototype using Figma.
- Focused on accessibility and intuitive navigation to enhance user satisfaction.

EDUCATION & OTHER

UNIVERSITY:

Punjab College of Science Blue Area Islamabad

FSc: Pre-Engineering

Graduation Year: 2021

Fast-NUCES, Islamabad

Graduation Year: 2026

LEADERSHIP EXPERIENCE

FAST-NUCES, Islamabad

Operations Team Member – University Society

- Successfully led event logistics and operations for university-wide events, ensuring timely execution and resource management.
- Coordinated with cross-functional teams to streamline event workflows and improve efficiency.

Production Team Member – University Society

- Took the lead in planning and creating engaging content for major university events.
- Demonstrated leadership by mentoring new members and fostering collaboration within the team.

British Council

Invigilator

- Managed examination setups and adhered to strict protocols to ensure fairness and integrity during tests.
- Communicated effectively with teams and candidates to maintain a smooth examination process.

ADDITIONAL

LANGUAGES:

- English: Fluent
- Urdu: Native

OTHER EDUCATION:

- NAVTTC Certification: Cloud Computing Course
- British Council: Invigilation Certificates
- University Society Certificates: Operations and Production Team Roles
- Web and IT Internship Certificate

INTERESTS:

- Outing
- Gym