

Muhammad Rehan Azhar

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SUMMARY

Proactive and innovative Software Engineering student with a strong foundation in computer science and practical experience in building responsive web solutions. Eager to apply academic knowledge in a real-world setting and contribute to meaningful projects as a web development intern.

EDUCATION

Air University, Islamabad, Pakistan

Sept 2023 – June 2027

Bachelor of Science in Software Engineering, CGPA: 3.47/4.00

Islamabad, Pakistan

Coursework: Object Oriented Programming, Introduction To Software Engineering, Database Management Systems (DBMS), Programming Fundamentals, Human-Computer Interaction (HCI), Data Structures & Algorithms (DSA), Software Design & Architecture, Software Requirement Engineering.

Punjab Group of Colleges, Blue Area

Sept 2021 – May 2023

Intermediate in Computer Science, Scored 82%

Islamabad, Pakistan

TECHNICAL SKILLS

Programming Languages: C/C++, Python

Databases: Oracle, MongoDB

Web Technologies: HTML, CSS, JavaScript, React.js

Version Control: Git, GitHub

UI/UX Design: Figma, Wireframing, Prototyping, Mobile-First Design

Other Technologies: Socket Programming (Socket.IO), Data Scraping (BeautifulSoup)

Currently Learning: AI Automation using n8n

PROJECT

SafeFundZ Website | HTML, CSS, JavaScript

- Designed and developed a fully responsive front-end for a non-profit organization's website.
- Implemented clean UI components including donation cards, mission section, and contact form.
- Focused on accessibility, mobile responsiveness, and semantic HTML structure.
- Ensured cross-browser compatibility and smooth user experience.

Space Shooter Game | C++, SFML (Simple and Fast Multimedia Library)

- Developed a 2D space shooter game with graphical interface using SFML and OOP principles.
- Designed and animated player spaceship, enemies, and projectiles with real-time interactions.
- Implemented scoring, health management, and increasing difficulty to enhance gameplay
- Focused on clean class design and event-driven programming for maintainability and performance.

TextUtils | React.js

- Built a text manipulation utility app allowing users to transform and analyze input text.
- Implemented features such as case conversion, word/character count, and text clearing.
- Integrated light/dark theme toggle for improved user accessibility.
- Utilized React state management and component-based architecture for scalability.

Real-time Quiz App | JavaScript, Node.js, Socket.IO

- Developed a real-time multiplayer quiz application using socket programming.
- Enabled dynamic quiz sessions with live question broadcasting and user score tracking.
- Implemented real-time communication between host and participants using Socket.IO.
- Focused on synchronization, low-latency interactions, and event-driven architecture.

IMDB Data Analysis & Visualization | Python, Pandas, Matplotlib

- Analyzed IMDB movie dataset using Python libraries like Pandas for data manipulation and cleaning.
- Applied operations such as filtering, sorting, grouping, and aggregation to extract insights.
- Visualized key trends including rating distributions, top-rated genres, and year-wise movie releases.
- Employed dataframes, charts, and graphs to present findings in a clear and interactive format.

Chat App UI Design | Figma (UI/UX Design)

- Designed a modern, responsive chat application interface using Figma, focusing on clean layout and intuitive user flow.
- Created essential screens such as chat list, individual conversations, status updates, and call logs.
- Applied UI/UX best practices including consistent spacing, iconography, and mobile-first design principles.
- Emphasized component reuse and design system structuring to support scalable and collaborative design work.

ChatApp | Software Requirement Specification (SRS)

- Created a detailed SRS document outlining functional and non-functional requirements for a real-time chat application.
- Defined system features including user authentication, message exchange, media sharing, and notification handling.
- Structured the document with use case diagrams, data flow diagrams (DFDs), and system models to support clear communication.
- Focused on clarity, completeness, and traceability to ensure alignment between stakeholders and development teams.

LEADERSHIP & AWARDS

- Received a Certificate of Appreciation for outstanding leadership in a technical course project.
- Awarded a merit-based scholarship for two years in college for academic excellence.
- Received a Certificate of Recognition for being the Highest Achiever at university.