

Sumaira Hafeez

Frontend Developer and UI/UX Designer



✉️ sumairahafeezfp@gmail.com ☎️ +92-3235511392

📍 UET Lahore 🔗 Sumaira Hafeez

linkedin.com/in/sumairahafeez 🔗 github.com/Sumairahafeez

💻 sumaira_55422_72092

Frontend Developer with strong skills in React.js, JavaScript, HTML, CSS, and Tailwind CSS, specializing in building responsive, high-performance web interfaces. Experienced in implementing modern UI/UX design principles to deliver intuitive and user-centric experiences. Proven ability to turn wireframes and prototypes into clean, functional code. Passionate about optimizing user journeys and enhancing visual design. Collaborative team player with a focus on maintainable and scalable code. Eager to contribute to impactful digital products that align with business goals.

💼 Experience

Executive Member, MSLA, UET Lahore

10/2024 – Present

Lahore

- Assisted in Conducting technical workshops and community events.
- Assisted peers in learning Computer concepts.

Teaching Assistant, UET, Lahore

09/2024 – 05/2025

Lahore

- Assisted in Programming Fundamentals (PF) and Object-Oriented Programming (OOP) courses.
- Conducted mentorship sessions for students, covering C++, JavaScript, and problem-solving techniques.

Software Engineer, Headstarter

07/2024 – 09/2024

- Crafted an interactive personal portfolio site via React.js and Vite, integrating responsive design principles which resulted in a smooth user experience.
- Deployed applications on GitHub Pages and Vercel.
- Participated in mock interviews and contributed to code reviews and feedback sessions.
- Completed a Software Engineering Fellowship.

Web Dev Trainee, Ustadam

06/2024 – 07/2024

- Engaged in a rigorous professional training course on web development that covered essential technologies such as .NET Framework and PostgreSQL; applied skills to optimize project workflows, reducing development time by 15%.
- Built projects demonstrating React.js, Node.js, and database management.

Game UI/UX designer, UET Game Studio

- I designed a casual game style UI for games like color hunt, swipe rush
- Designed 3D games like AR game
- Minimalistic style 3D games like tower defence

03/2025 – present

Lahore, Pakistan

🎓 Education

BS in Computer Science, University of Engineering and Technology, Lahore

- GPA: 3.87/.0

09/2023 – 05/2027

Lahore

🧠 Skills

Technical Skills



- **Frontend Development:** HTML5, CSS3, JavaScript, React.js, Tailwind CSS, Bootstrap
- **Mobile App Development:** React Native
- **UI/UX Design Tools:** Adobe Illustrator, Adobe XD, Figma, Photoshop
- **Backend Basics:** Express.js, Node.js
- **Database Systems:** JSON Storage, Binary File Systems, B-Trees, ACID Transactions
- **Machine Learning:** Scikit-learn, Random Forests, Joblib
- **Web Deployment:** GitHub Pages, Vercel
- **API Integration:** REST APIs, Gemini API
- **Version Control:** Git & GitHub
- **Tools & Platforms:** Streamlit, Postman, VS Code

Soft skills



- Creative Problem Solving
- UI Consistency and Usability Thinking
- Collaborative Teamwork
- Fast Learner & Adaptable
- Time Management
- Attention to Detail
- Communication & Presentation Skills

📁 Projects

cyber File share system, A secure File sharing system

05/2025 – 06/2025

- Designed and developed a secure file sharing system using the XOR encryption algorithm, enhancing data confidentiality.
- Created a cyber-themed UI for an intuitive and futuristic user experience.

- Implemented a peer access control mechanism that strengthened security and improved file access management.
- Used railways for deploying frontend and backend

Solitaire-Game, github.com/Sumairahafeez/Solitaire-Game

- Developed an interactive Solitaire game using React.js and Tailwind CSS. Implemented state management for Tableau, Foundations, Stockpile, and Move Logic. Improved rendering performance by handling deeply nested structures dynamically
- Tools Used: React.JS, Tailwind css, Data structures

Tourist-Guide System, github.com/Sumairahafeez/Tourismcuide

- Developed a tourist guide app where locations are categorized using trees. Used web scraping techniques to fetch location details from a CSV dataset.
- Tools Used: pyqt, openstreetAPI, matplotlib, networkx

Air Force Management System, <https://github.com/Sumairahafeez/Airfor>

- Developed a winform application based on object oriented programming concepts. Used three tier architecture and mssql for carefully integrating and managing the system within airforce.
- Tools Used: C, winform, MSSQL

Xpense Tracker, github.com/SherMuhammadgithub/project

- Architected a responsive Expense Tracker app utilizing React and SQLite technologies; facilitated team collaboration on the project as most junior member while enhancing usability with intuitive design features.
- Tools Used: React.JS, Tailwind css, sql lite

Student Mental Health predictor, [An AI chatbot](https://github.com/Sumairahafeez/Student-Mental-Health-Predictor)

05/2025 – 06/2025

- Developed a Student Mental Health Predictor System using a Random Forest model to analyze input data and provide accurate mental health predictions.
- Designed an intuitive UI with Streamlit (Python) for easy user interaction and deployed the trained model using Joblib for scalability.
- Integrated Gemini API to deliver AI-based therapy suggestions and personalized mental health recommendations, enhancing the system's effectiveness and user support capabilities.

Mobile chatbot, [A rule based mobile chatbot app](https://github.com/Sumairahafeez/React-Native-Mobile-Chatbot)

03/2025 – 04/2025

- Developed a rule-based chatbot mobile app using **React Native** for the frontend and **Express.js** for the backend.
- Designed and implemented a mobile-friendly UI to ensure smooth user interaction.
- Utilized an **in-memory database** to store and manage chatbot rules efficiently.
- Packaged and built a **deployment-ready APK** for Android distribution, showcasing end-to-end mobile development skills.

COSMIC DB, A document based Database management system

02/2025 – 06/2025

- Built a fully functional database system in Python with support for core **ACID properties** to ensure reliable transactions.
- Implemented a robust **Transaction Manager** and developed features for consistent read/write operations.
- Used a **binary disk file storage system** for persistent data handling.
- Designed and integrated a **B-Tree indexing mechanism** to enable efficient data retrieval and maintain performance across large datasets. Demonstrates strong understanding of database architecture and low-level data management.

☆ Technologies

Languages

- C++
- C#
- python streamlit, scikit, pandas, pyqt
- MSSQL, MongoDB, In- memory database
- JavaScript.
- Assembly language, arduino assembly

Technologies

- .NET, winform
- REACT , VITE, React native, EXPRESS JS
- Tailwind CSS, bootstrap,
- CSICO, KALI LINUX

❑ Certificates

MSSQL

Level 1 certificate at Great learning Academy

AI workshop

Attended an AI workshop held by Tech nexus

MONGO DB

Level 1 at Great learning Academy

Programming competition

Certificate of participation at Problem solving programming competition and quiz competition at Codex 2.0 held by software square