

Muhammad Asif

Software Engineer | React.js | Node.js | AI-Powered Applications

+923321377445 | asif.techlead@gmail.com | [LinkedIn](#) | [GitHub](#) | Lahore

SUMMARY

Fresh Computer Science graduate passionate about full-stack and AI-driven development. Skilled in **React.js, Node.js, and modern JavaScript frameworks**, with hands-on experience building **real-world applications integrating AI models and automation**. Eager to collaborate with senior engineers, write **clean and maintainable code**, and contribute to production-grade projects.

EXPERIENCE

Team Lead - Final Year Project

January 2024 - December 2024

Sukkur IBA University

Sukkur, Pakistan

- Supervised end-to-end development of an AI-based mental health app integrating FER and chatbot systems.
- Coordinated with backend, frontend, and ML teams to deliver scalable and maintainable features.
- Achieved **85% user satisfaction rate** with optimized system performance and real-time responsiveness.

PROJECTS

Mental Health Companion App [Link](#) | Kotlin | Python | TensorFlow Lite | Firebase

- Led a 3-member team to develop an AI-integrated Android and web app used by 50+ testers.
- Improved emotion recognition accuracy by 15% using TensorFlow Lite and MobileNetV2.
- Integrated a fine-tuned Llama 3.2-3B-Instruct model via REST API, enhancing chatbot empathy by 25%.
- Used Firebase Firestore for secure data handling and Kotlin/Flask backend for real-time communication.

Shopping Cart System [Link](#) | React.js | Node.js | Redux Toolkit | Nodemailer

- Developed a **React + Node.js** e-commerce app with **Redux Toolkit** for state management.
- Improved order processing time by **35%** and implemented **Nodemailer** for automated order confirmations.
- Designed responsive UIs using **Tailwind CSS** and ensured maintainable component structure.

Budget Tracker [Link](#) | React | Javascript | Recharts | Vite

- Built a **budget visualization web app** with **Recharts analytics** and data categorization.
- Improved user clarity by **40%** and reduced manual calculations by **80%** through dynamic graphs.
- Implemented **dark mode** and responsive layout using **CSS Grid/Flexbox**.

Web Scrapper for News Articles [Link](#) | Java | JSoup

- Designed a responsive, SEO-friendly website with interactive animations improving engagement by 20%.
- Optimized performance using lazy loading, minified JS/CSS, reducing page load time by 30%.
- Ensured semantic HTML structure and WCAG-compliant design for accessibility.

Frontend Portfolio (3D & Scroll Animations) (In Progress) | Next.js | GSAP | Tailwind CSS

- Building a 3D interactive portfolio using Three.js, GSAP, and ScrollTrigger for dynamic visuals.
- Implementing Next.js App Router and Tailwind CSS with reusable components.
- Optimized animations for 60 FPS rendering and fast LCP metrics.

EDUCATION

Bachelors in Computer Science, Sukkur IBA University

March 2021 - March 2025

Sukkur, Pakistan

SKILLS

Languages: JavaScript (ES6+), Python, Kotlin, Java, SQL

Frontend: React.js, Next.js, HTML5, CSS3, Tailwind CSS

Backend: Node.js, Express.js, Flask, REST APIs, Ruby on Rails (*basic*)

Databases: MySQL, Firebase, MongoDB, PostgreSQL (*familiar*)

Tools & Dev Practices: Git, GitHub, Agile Workflows, Code Reviews, Debugging, Unit Testing

AI/ML: TensorFlow, PyTorch, Chatbot Integration, Computer Vision

AWARDS & ACHIEVEMENTS

STHP Scholarship

March 2021-March 2025

Sukkur IBA University

PM Laptop

November 2023

Prime Minister of Pakistan