





# Farhan Mahmood

## MERN Stack Developer

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 <https://farhan2804portfolio.netlify.app/>

### Professional Summary

#### Sikharthy Infotech Pvt. Ltd-INTERNSHIP

Jun 2023 – Aug 2023

Software Developer Intern

- Proficient in HTML, CSS, JavaScript, Bootstrap, and React.js through practical projects.
- Participated in training sessions with 15 individuals, receiving instruction and guidance on various front-end development topics.

### Projects

#### Portfolio Website

- **Full-Stack Functionality:** Developed a full-stack portfolio site with real-time messaging capabilities, allowing users to contact you directly, with data securely stored in the database.
- **React Optimization:** Leveraged advanced React concepts such as Hooks and Context API for state management, ensuring efficient performance and maintainability.
- **Enhanced User Experience:** Integrated light and dark mode features to improve user interaction, along with code-splitting techniques to optimize load times and performance.

#### Quiz App

- **Dynamic Question Handling:** Implemented dynamic question fetching from an external API, enhancing the app's flexibility and scalability, as opposed to using static, hardcoded questions.
- **Efficient State Management:** Utilized React Context API to seamlessly carry user scores across pages, demonstrating proficiency in advanced React features and state management.
- **User-Centric Experience:** Designed a fully responsive and interactive quiz app where users can enter their name, take the quiz, and view their personalized score at the end, enhancing engagement.

#### Weather App

- **Server-Side Application:** Developed a complete server-side weather app using Express.js, showcasing your ability to create and manage server environments effectively.
- **Real-Time Data Integration:** Integrated a weather API to fetch accurate, up-to-date weather information for any city globally, demonstrating your ability to work with external APIs.
- **Search Functionality:** Implemented a user-friendly search feature that allows users to easily query the weather for any location, enhancing interactivity and engagement.

### Education

#### B.Tech-Electronics and Communication Engineering

Aug 2021 – Jun 2024

Jharkhand University of Technology

74.68%

### Skills

**Programming Languages:** JavaScript, Java | **Markup and Styling Languages:** HTML, CSS | **Front-End:** React.js, Bootstrap | **Back-End:** Node.js, Express.js, REST API | **Tools:** Git, GitHub | **Databases:** MongoDB, SQL | **Cloud:** Microsoft Azure | **Other:** DBMS, Networking | **Embedded Systems & Microcontrollers:** Microcontrollers & Embedded Systems, Microprocessor, Arduino IDE, IoT

### Certifications

#### Microsoft Certified: Azure Fundamentals

- Microsoft
- Certificate holds lifetime validity

#### Microsoft Certified: Azure AI Fundamentals

- Microsoft
- Certificate holds lifetime validity

#### AI Tools Workshop

- Be10X
- Certificate holds lifetime validity

### Additional Activities

#### YouTube Channel

Web Development Tutorials

Produced and managed a channel offering tutorials on MERN stack, DBMS, Java programming, SQL, microprocessors, and more, delivering valuable educational content to a broad audience.