

Muhammad Ahmad

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SUMMARY

MERN Stack Web Developer with 1 year of experience in JavaScript, React, Node.js, Express, and MongoDB. Skilled in creating reusable components for enterprise applications. Passionate about technology and building scalable, user-focused web solutions.

EXPERIENCE

MERN Stack Web Developer

- Developed and deployed multiple full-stack web applications using MongoDB, Express.js, React, and Node.js. Enhanced user engagement by 50% through the optimization of UI/UX design and the implementation of scalable RESTful APIs.
- Designed and implemented advanced filtering and sorting functionalities, resulting in a 35% reduction in load time for content-heavy pages and improved user satisfaction.
- Upgraded CRUD operations and improved error handling, reducing application downtime by 40% and increasing overall system reliability.
- Led the redesign of frontend components, ensuring responsive and intuitive interfaces. Customized a Bootstrap-based admin template to align with project requirements, improving administrative efficiency by 25%.
- Architected and mapped application routes, enhancing navigation and reducing user error rates by 30%.
- Managed version control using GitHub, including branching strategies and pull request reviews. Implemented code review processes that decreased the average merge time by 20%.

PROJECTS

Natourist

[natourist.vercel.app](#) • August 2024 - September 2024

Engineered a tour booking app using Node.js, Express, and MongoDB. Key achievements include:

- **Scalable Database:** Designed a MongoDB database to support 10,000+ users with high performance.
- **Secure Payments:** Implemented JWT authentication and integrated Stripe, cutting transaction errors by 30%.
- **Dynamic Maps:** Added interactive maps with Leaflet, improving navigation and user engagement.
- **Performance Boost:** Used Webpack to enhance page load speeds by 40%.
- **Comprehensive Dashboards:** Developed user and admin dashboards, allowing users to manage bookings and settings, and providing admins with tools to update settings and monitor tours.

CryptoBuzz

[cryptobuzz-liart.vercel.app](#) • May 2024 - June 2024

Developed a cryptocurrency screener app using React JS and Tailwind CSS with real-time data and advanced filtering. Key achievements include:

- **Real-Time Updates:** Implemented live price updates and alerts for 100+ cryptocurrencies using the CoinGecko API.
- **Advanced Filtering:** Added currency filters, search, and sorting options for effective coin tracking.
- **Interactive Charts:** Integrated Chart.js to display market cap data across daily, weekly, and monthly views.
- **Responsive Design:** Ensured a mobile-friendly experience with Tailwind CSS, improving accessibility across devices.
- **Performance Enhancement:** Improved code efficiency by 10% with reusable components and reduced load times by 50% through code splitting and lazy loading.

Daily Dash

February 2024 - March 2024

Developed a Todo app featuring secure user authentication with JWT and cookies, comprehensive task management (add, edit, complete, delete), and advanced filtering by status and tags. Implemented search functionality and pagination for an enhanced user experience.

EDUCATION

Bachelor's Degree in Computer Science

University of Engineering and Technology (UET) • Pakistan, Lahore • 2022-2026

Intermediate: Pre-Engineering

Government College Civil Lines • Pakistan, Lahore • 2020-2022

SKILLS

Technical Skills: JavaScript, Node Js, React, React Redux, Web Pack, Babel, SQL, MongoDB, Restful Api, GraphQL, Html, Css, TailWind, C, C++, Python, C#, Pub

Soft Skills: Strong communicator with effective problem-solving and critical thinking abilities. Adept at team collaboration, adapting to new technologies, and managing time efficiently while demonstrating leadership through mentoring and project guidance