

Muhammad Atif Nadeem

SOFTWARE DEVELOPER

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About Me

I am a dedicated MERN stack web developer with expertise in MongoDB, Express.js, React, and Node.js. I excel in creating dynamic and responsive web applications, with a strong focus on both front-end and back-end development. My skills include problem-solving, attention to detail, and the ability to work efficiently under pressure. I am passionate about leveraging modern web technologies to build innovative solutions and thrive in collaborative environments, consistently aiming to deliver high-quality results.

Experience

SmartNovatives Labs | MERN Stack Internship

JULY 2023-October 2023

- Gained experience in developing and maintaining web applications using MongoDB, Express.js, React, and Node.js (MERN stack).
- Learned to collaborate with cross-functional teams to design and implement new features.
- Improved skills in optimizing code for performance, scalability, and reliability.
- Participated in code reviews to enhance overall code quality.
- Assisted in debugging and resolving technical issues.

Education

Bahria University, BS Computer Science (CGPA: 3.35)

2020-2024

Punjab College, Fsc. Pre-Engineering.

2018-2020

Skills & abilities

- **Front-End Development:** React, JavaScript (ES6+), HTML, CSS, JSX, TailwindCSS, Bootstrap Responsive Design
- **Back-End Development:** NodeJs, ExpressJs, RESTful APIs, SQL, NoSQL,
- **Tools:** Git/GitHub, Postman, VsCode
- **Basics:** C++, OOP, DSA

Projects

- **Harmony Hub | Final Year Project**

"Harmony Hub" is a cutting-edge digital platform made using MERN that improves volunteer experience by ensuring transparency, trust, and collaboration. It enables academic institutions, NGOs, and volunteers to manage and verify community service activities using blockchain technology for secure certification, tracking volunteer efforts, and ensuring reliable attendance monitoring.

- **Remembered Always | Freelance**

Developed using React.js, Express.js, MySQL, and Cloudinary "Remembered Always" is a unique web application designed to honor and preserve the memories of deceased loved ones. Users can create an account, purchase a QR code to be placed on a grave, and upload various forms of content, including photos, videos, and written messages. This project highlights my ability to integrate complex functionalities and deliver a meaningful, user-friendly platform that provides a digital space for remembrance and tribute.

- **Matrimony Web App**

A matrimonial web application developed using the MERN stack (MongoDB, Express.js, React, and Node.js), offers robust search functionalities. Users can search for potential matches either by username or based on common skills and hobbies. Match requests can be sent to users of the opposite gender, and upon mutual acceptance, both parties gain access to each other's addresses. This system ensures a secure and personalized matchmaking experience, leveraging modern web technologies for optimal performance and user engagement.

- **Diabetes Prediction System**

Developed an artificial intelligence-driven diabetes prediction system utilizing advanced decision tree models and label encoding techniques. This project encompassed meticulous data preprocessing, rigorous model training, and validation to accurately forecast diabetes risk based on comprehensive health metrics. It showcases proficiency in machine learning methodologies and demonstrates the ability to effectively apply AI solutions in healthcare analytics.

- **Secure Authentication System**

Developed a robust authentication module using MySQL, Node.js, Express.js, bcrypt, JWT, and cryptographic techniques to ensure secure user login, signup, and verification processes. Upon signup, a verification email is automatically sent to the user's entered email address, restricting any actions until verification is completed. This modular system can be seamlessly integrated into various projects, providing reliable user authentication and safeguarding against unauthorized access.

- **Todo List**

Developed a to-do list application using React.js, leveraging local storage for persistent data storage. This project allows users to create, update, and delete tasks dynamically within the browser. By utilizing React state management and local storage API, the application ensures seamless user experience and data persistence across sessions. This project showcases proficiency in front-end development with React and demonstrates the ability to implement efficient data management solutions using modern web technologies.

Certifications

- **Introduction to Website Development (Coursera)**
- **REST API using NodeJS (Coursera)**