**MUHAMMAD BILAL**

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**OBJECTIVE**

Motivated Computer Science graduate committed to driving innovative solutions in a fast-paced environment. Passionate about applying technical expertise to solve real-world problems and deliver measurable outcomes.

**WORK EXPERIENCE**

**Knowledge Stream | MERN Stack Trainee** (Jul 2024 – Oct 2024)

* Developed dynamic and responsive user interfaces using **React js**, incorporating state management, component lifecycle methods, and hooks to enhance the user experience.
* Built and optimized **RESTful APIs** with Node.js and Express.js, ensuring secure data handling and efficient server-side processing.
* Implemented and managed databases with **MongoDB**, including performing CRUD operations, designing schemas, and modeling data to support application functionality.

**PROJECTS**

**News Web App**

* Developed dynamic and responsive user interfaces using React.js, incorporating state management, component lifecycle methods, and hooks to enhance the user experience.
* Integrated multiple APIs to dynamically fetch and display the latest news headlines, ensuring real-time updates and accurate information delivery while optimizing **data handling** to improve user experience.
* Focused on optimizing performance and enhancing the **user experience,** providing a seamless way for users to stay informed about current events.

**Technologies Used**: ReactJS, ExpressJS , MongoDb , NodeJs , API

**E-Commerce Website**

* Developed an e-commerce website named as **ShopPulse** using the MERN stack, creating a dynamic marketplace that seamlessly connects buyers and sellers.
* Utilized **MongoDB** for robust data management, **Express.js** for building efficient server-side logic, React.js for an interactive user interface, and Node.js as the runtime environment.
* Integrated the database for smooth data flow, managed **API requests**, and collaborated with front-end developers to deliver a cohesive and user-friendly shopping experience.

**Technologies Used**: ReactJS , TailwindCSS, Restfull Api’s ,Npm

**CORE SKILLS**

* **Programming Languages:** C++, JavaScript
* **Developer Tools:** Git, GitHub, VSCode, npm, Postman
* **Frameworks:** React.js, Node.js
* **Databases:** MongoDB

**EDUCATION**

**Islamia University Bahwalpur**  
BS Computer Science (Completion Year 2025)