

# Muhammad Abrar

MERN Stack Web Developer

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## SUMMARY

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A passionate web developer with a strong foundation in front-end and back-end technologies, including HTML, CSS, JavaScript, Node.js, Express.js, and MongoDB. Proficient in designing and implementing scalable web applications, with hands-on experience in developing projects like E-Letters, Chatting App, and Blogging Websites. Skilled at delivering high-quality code on time while focusing on enhancing user experience and leveraging technology to solve complex problems effectively. Currently pursuing a Bachelor's in Software Engineering with a 3.66 CGPA, demonstrating both academic excellence and technical expertise.

## EDUCATION

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**Software Engineering in** , COMSATS University Islamabad, Lahore Campus (GPA: 3.66) Sep '21 — Present  
lahore

**FSc-Pre-Engineering in** , Superior Group of Colleges (GPA: 98%) Sep '19 — Jun '21

## SKILLS

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**Frontend Development** Html, Css, JavaScript, React, React Native

**Backend Development** Node, Express, Mongo

**Additional Languages** Python, My SQL, C++, Java, C

**Tools** Git, Figma

## PROJECTS

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**Academia Connect (Private Repository)** [Link](#) Present

- Developed a digital solution for managing and enhancing operations for schools, teachers, and students as part of the Punjab Workers Welfare Board (PWVB) project.
- Features include web portals for admins, schools, and teachers to manage tasks like resource allocation, attendance tracking, and performance reporting, alongside a React Native mobile app for students to access materials, grades, and announcements.
- Integrated expense tracking for over 72 schools, 1000+ teachers, and 20,000+ students, ensuring transparency and accountability in fund usage.
- Built using React.js for web, React Native for mobile, Node.js for backend APIs, and MongoDB for centralized data storage, providing scalability and efficient management of educational operations.

**E-Letters (Private Repository)** [Link](#)

- Designed a digital letter management system for the Punjab Workers Welfare Board (PWVB) to streamline correspondence, ensuring transparency and operational efficiency.
- Features include letter tracking via serial numbers, sender/receiver management with dynamic updates, and visibility control to maintain privacy and relevance.
- Integrated approval chains for systematic processing and MongoDB for centralized letter storage and retrieval.
- Built using a React.js frontend and Node.js backend, providing a user-friendly web portal for creating, sending, receiving, and managing letters.

**Chatting App** [Link](#)

- Developed a real-time chatting application using the MERN stack (MongoDB, Express, React, Node.js), featuring secure user authentication, instant messaging with Socket.IO, and seamless file uploads with Multer.
- Key functionalities include conversation creation, contact management, profile customization, and real-time updates for messages and conversation threads.
- Built with React for a responsive frontend, Node.js and Express for server-side logic, and MongoDB for efficient data storage, ensuring a dynamic and user-friendly experience.

**Portfolio** [Link](#)

- Created a portfolio showcasing skills, experience, and projects, featuring sections such as a home page, introduction, skills, projects, professional experience, and a contact form for collaboration opportunities.
- Designed and developed using HTML, CSS, and React, ensuring a visually appealing and user-friendly interface to highlight work and achievements effectively.

**Blogging** [Link](#)

- Enables users to create, read, update, and delete blogs, with integrated user authentication for enhanced security and personalized experiences. Non-signed-in users can view blogs but cannot comment or add new posts.
- Supports blog commenting and interaction, ensuring a dynamic and engaging environment for signed-in users.