

IFRA MUNAWAR

Full Stack Developer

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[LinkedIn Profile](#) | [Portfolio](#)

PROFILE

A results-driven and passionate MERN Stack Developer with a strong foundation in MongoDB, Express.js, React.js, and Node.js. Skilled in building responsive, high-performance web applications with clean, maintainable code and a focus on delivering exceptional user experiences. My academic journey and hands-on projects, including the Smart Lecture Scheduling System, demonstrate my ability to manage the complete development lifecycle—from system design and backend architecture to frontend implementation and deployment. I am now seeking a challenging role where I can apply my technical expertise to create innovative solutions and contribute to team success.

EDUCATION

Government College University, Faisalabad (GCUF) | 2021 - 2025

Bachelor of Science in Computer Science

PIASS | 2019 – 2021

Intermediate in Pre-Engineering (FSC)

TECHNICAL SKILLS

Languages: JavaScript (ES6+), SQL, C++

Frontend Development: React.js, HTML5, CSS3, Responsive Design

Backend Development: Node.js, Express.js, MVC Architecture, RESTful APIs

Development Tools: Git, GitHub, Postman, VS Code

Key Concepts: Clean Code Practices, Problem-Solving, API Integration, Basic UI/UX Understanding, Data Structures, Object-Oriented Programming

FLAGSHIP PROJECT

Smart Lecture Scheduling System – Automated Timetable & Management Platform

A full-stack web application developed to automate and streamline lecture scheduling for educational institutions. The system addresses challenges like timetable conflicts, inefficient manual scheduling, and limited accessibility by providing an interactive, role-based management platform.

- **GitHub Repository:** [Smart Lecture Scheduling System](#)

Core Features Implemented:

a) User Authentication & Role Management:

Secure registration and login system with password hashing using **bcrypt**, and role-based access for admins and teachers.

b) Timetable Management:

Admins can create, update, and assign weekly schedules to teachers, including subjects, classes, and lecture timings.

c) Conflict Detection:

Built-in validation to prevent overlapping lectures for the same teacher or classroom.

d) Announcements Module:

Real-time posting, editing, and deletion of announcements, instantly visible to all relevant users.

e) Notification System:

Email notifications sent to teachers about schedule changes or important updates using **Nodemailer**.

f) Responsive UI/UX:

Modern, user-friendly interface with interactive timetable grids and card-based views, designed for desktop and mobile compatibility.

Tech Stack Used:

Frontend: React.js, HTML5, CSS3

Backend: Node.js, Express.js

Database: MongoDB, Mongoose

Authentication: Password hashing with bcrypt

APIs & Tools: Nodemailer, Postman, Git, GitHub

ADDITIONAL INFORMATION

Interests & Continuous Learning: Actively enhance skills through online courses, coding challenges, and exploring new tools within the MERN Stack ecosystem. Regularly experiment with small projects to apply and refine technical knowledge.

Soft Skills:

- **Problem-Solving:** Skilled at analyzing project requirements and developing clean, efficient, and scalable solutions.
- **Team Collaboration:** Comfortable working in cross-functional teams, contributing to both frontend and backend development.
- **Communication:** Clear and professional in both verbal and written communication, strengthened through technical documentation and project presentations.
- **Adaptability:** Quick to learn and apply new technologies, frameworks, and tools to deliver quality results under deadlines.