

# MUHAMMAD FAHAD

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## Full Stack Developer | MERN Stack | Django

I'm a Full Stack Developer building practical solutions that make everyday tasks easier. I've worked with the MERN stack and Django, to create tools like a **smart university transport system for my campus** and a **productivity app for people with short-term memory** challenges. I focus on writing clean, scalable code and building user-friendly experiences that solve real problems.

## Internships

### CodesFix, Pakistan

Feb 2024 - Mar 2024

#### Web Developer(Intern), Bahawalpur

- Strengthened **frontend development** skills using HTML, CSS, and JavaScript and React JS.
- Built an **AI-powered web tool** to extract keywords from user-input text and generate hashtag-enhanced content.
- Implemented AI prompt handling and text regeneration features using GORQ API.

### Bytelogist, Pakistan

Mar 2024 - May 2024

#### Chrome Extension Developer(Intern), Bahawalpur

- Developed multiple Chrome extensions using JavaScript and Manifest v3.
- Youtube Automation** Extension which would automatically play the 1st video on the youtube.
- Gained experience in browser APIs, content scripts, and background scripting.

### Freelance Project

Nov 2024 - Feb 2025

#### Frontend Developer (Intern), Remote

- Collaborated with a group of freelancers, on a social media type project.
- Contributed to a social media web app by designing **User Profile**, **Edit Profile**, and **Category** components.
- Integrated **real API endpoints** and replaced dummy data with dynamic content, **enhancing UX** with **loading animations** during data fetches.
- Participated in QA testing and issue tracking to ensure functional stability.

## Education

### The Islamia University of Bahawalpur, Bahawalpur, BS in Computer Science, (GPA: 3.5), Aug 2022 - Present

- Awarded an Appreciation Certificate for serving as an **Official Member** of the **IUB Publication Society** as a **Designer/Editor**.
- Received a **Shield** in recognition of my contribution to BLCF (Bahawalpur Literary Cultural Festival) organization.

### Military College Sui, Sui, Pakistan, Fsc, (GPA: 95%), May 2016 - Jul 2021

- Appreciation Certificate for being part of Drama Club for 1 year.
- Got **3rd Position** in Inter House Painting & Calligraphy Competition.
- Participated in Various Sports and Physical Activities (Vollyball, Running).

## Projects

### Smart University Transport System (Django), [Link](#)

- Designed a **multi-role** system for **Students**, **Drivers**, and **Admins** to manage university bus transport.
- A **driver portal** from where Bus Live Location can be updated, a **student portal** for bus booking, schedule visibility, arrival and departure time of Bus and Bus current Location.
- Implemented **Dijkstra Algorithm** to find the **shortest** and most **efficient path** between stops.
- For better **management of buses** admin can view number of students registered for a specific route.

### Task AI Studio (MERN), [Link](#)

- Built a **productivity app** to help users with **short-term memory**, to track tasks and receive timely reminders.
- Implemented **AI-powered Task Scheduling** that automatically sorts tasks based on priority and deadlines to optimize user productivity.
- Developed a Node.js-based **WhatsApp bot** that sends task **reminders every 3 hours**.
- Enabled **WhatsApp-based task retrieval** using whatsapp bot (whatsapp-web.js).

Ecommerce Website (MERN), [Link](#)

- Converted a **WordPress** website into a high-performance **MERN Stack** application.
- Improved load time from **57s to 12s** (~78% speed boost).
- Built an **admin panel** with order, product, and user management.
- Integrated **analytics** to track visitor engagement and product views.

Study Group Finder (MERN), [Link](#)

- Built a **platform for students** to search, join, and communicate within study groups.
- **Admin panel** for managing users and groups with full **CRUD operations**.

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### Skills

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**Frontend**   Tailwind, Javascript, JQuery, React JS, Next.js

**Backend**   Node Js, Mongo DB, Express JS, Django

**Deployment**   Vercel, Render, Netlify, Digital Ocean

**Version Control**   Git & Github

**Other**   Python, Numpy, Pandas, Java, C++, Docker

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### Certifications

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<b>React Basics</b> , Meta/Coursera	<b>Jan 2024</b>
<b>Intro to Git and Github</b> , Google/Coursera	<b>Dec 2023</b>
<b>Responsive Web Design</b> , Free Code Camp	<b>Sep 2023</b>