

# Naeem Ul Hassan

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I am a Full-Stack Developer with skills in MERN Stack and .NET technologies. I enjoy building web and desktop applications while integrating AI to enhance their functionality. I work on both front-end and back-end development, aiming to create scalable, user-friendly applications with AI integration that solve real-world problems.

## SKILLS

HTML, CSS, JavaScript, TypeScript, Bootstrap, TailwindCSS, React, Next.js, Node.js, Express.js, MongoDB, RESTful API, Redux Toolkit, SQL Server, Version Control (Git & GitHub), .Net technologies, Artificial Intelligence (AI) integration, Object Oriented Programming (OOP), Data Structures and Algorithms (DSA), Database Management (DBMS), Programming Fundamentals (PF), Python, CSharp (C#), Project Management

## EDUCATION

University of Engineering and Technology (UET)  
BS Computer Science (**CGPA: 3.4**)

September 2021 – May 2025

## PROJECTS

### Recipe Finder – Final Year Project

- Developed a web application using deep learning and **NLP** to **detect ingredients** in real-time and **recommend recipes**. Built the front end with **Next.js**, backend with **Flask**, and integrated **YOLOv11** for ingredient detection. Improved cooking efficiency, reduced food waste by **14%**, and enhanced meal planning by **16%**.

### Bus Management System

- Developed a Windows application for **bus ticket reservations** and **route optimization** using **.NET** and **DSA**. Implemented **Dijkstra's Algorithm** to reduce travel time by up to **10%** and designed a user-friendly Windows Forms interface. Improved booking efficiency, reducing processing time by **8%**.

### Property Management System

- Developed a Property Management System (PMS) using **.NET** and **SQL Server** for secure data storage. Implemented **role-based access** control for restricted access. Simplified property listing, management, and transactions, reducing administrative workload by **12%** and improving data accuracy by **14%**.

### Alumni Record Management System

- Developed an alumni record application using **WPF** with a client-server setup and also built a web version using **ASP.Net Core**. Designed **role-based access** control for **clerks**, **admins**, and **super admins** to manage student records securely. Improved record management efficiency reduced manual work by **10%**.

### Smart Study Chatbot

- Developed an AI-powered chatbot using **Python** as a personalized study buddy for students. Used a **Linear Regression model** to improve support. Helped with **study schedules**, **dengue health checks**, and entertainment. **15** students assisted in managing their studies and reduced study stress by **17%**.

### Web Development Projects

- My Personal Portfolio, Story Generator, Weather App, TODO App, Car Listing App, Spotify Clone

## PROFESSIONAL EXPERIENCE

### Apex Space – MERN Stack Internship

June 2023 – August 2023

- Developed responsive frontend designs and gained full-stack development experience using the **MERN stack**. Used Git for **version control**, **integrated APIs**, and managed **SQL** and **Firestore** databases. Collaborated in a team to streamline workflows, enhance **UI/UX**, and successfully deploy applications.