

# Tanveer Hussain

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## Objective

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Aspiring software engineer eager to contribute to innovative software development projects through a hands-on internship. Bringing academic experience in C++, Python, and web technologies, coupled with a strong foundation in data structures, algorithms, and Databases. Passionate about learning software development lifecycle (SDLC) processes and delivering scalable, high-quality code in a collaborative, fast-paced environment.

## Skills

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**Development and CI/CD:** Python, Django, React, Bash, Java, JavaScript, Git

**Database:** MySQL, PostgreSQL, SQLite

**Libraries/Tools:** NumPy, Pandas, TensorFlow, Computer Vision and Natural Language Processing algorithms, Transformers, LLM, Langchain

**Containerization and Orchestration:** Docker, Docker Compose

**Concepts:** DBMS, OOP

## Internships

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### Infosys Springboard Internship

Dec 2024 – Feb 2025

- Collaborated with a pan-India student team using agile scrum, achieving **top 5% recognition** and will **presenting the project at Infosys offices**.
- Developed an innovative **smart traffic management system** integrating **YOLOv8/YOLOv8n, ANPR, and ATCC** to accurately detect accidents, triple riding, and violations.

## Projects

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### Rapid Todo

- Utilized **Docker** to encapsulate the **Django backend and React frontend** into isolated, scalable containers, enabling seamless CI/CD integration and robust multi-stage builds.
- Employed **Docker Compose** for orchestrating service dependencies, streamlining environment configurations, and automating container scaling for rapid, agile deployments.

### Responsive Assignment App

- Implemented robust security features, including **asymmetric encryption**, to protect sensitive data and ensure privacy. Provides a complete quiz and assignment solution for educational institutions
- Developed using **Django and REST API** with Bootstrap
- Includes an admin panel for in-depth result analysis, enabling detailed performance tracking and reporting

### Tailor Shop System

- Created a comprehensive system with delivery timing manager and billing system manager to track and schedule deliveries, ensuring timely customer service.
- Integrated a **robust billing system** to accurately generate invoices and manage payments.

## Education

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**Mandsaur University, Madhya Pradesh, India** ✉

Aug 2022 - Jun 2026 (Expected)

B.E. in Computer Science and Engineering

**CGPA: 8.0**

**Mohammediya Higher Secondary School**

2022

12<sup>th</sup> Standard

**80.01%**