

Tehman Hassan

BE in Computer Engineering, 2027

An independent, hardworking individual always ready to push boundaries

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EDUCATION

BE, Computer Engineering

University of Engineering and Technology Taxila

08/2023 - Present,

3.46 CGPA till 4th Semester

High School Intermediate

Cadet College Choa Saiden Shah Chakwal

04/2017 - 08/2022,

SKILLS

Python Django

C++

JAVA OOP

Data Structures

APIs

Basic Machine Learning

LeetCode

HTML

CSS

Django REST Framework

Machine Language RISC,CISC

PROJECTS

Potholes Complaint System using an Android App (Winning Project for OOP Course)

- Users report potholes by uploading photos, verified by Azure Vision AI.
- Valid complaints are managed through a Spring Boot server Azure, with data stored in PostgreSQL.
- Admins handle complaints, resolving and deleting reports as necessary

Full-Stack REST API using Python Django REST Framework

- Implemented comprehensive features as JWT authentication, CRUD, nested comments, replies, likes, dislikes, subscriptions, reactions, and role-based permissions
- Managed all custom exception handling and business logic within the API
- Designed SQL database models using ORM with foreign key relationships
- Implemented thorough testing for the API, exploring various user scenarios and edge cases to ensure reliability

AI Agent for Teachers that tells report on CLO's and Blooms Taxonomy Levels

- Developed an AI-powered Java application for teachers that auto-generates a report based on given folder paths on CLOs and Bloom's Taxonomy by analyzing uploaded academic documents
- Using OpenAI's GPT-40 model mostly worked on Trees DS, Vector ID Storing for breakage of internet, and real-time updating of reports and auto PDF generation

GUI Based Inventory Software for Fathers Shop using Tkinter(Python),and PostgreSQL

- Features include categorizing items, calculating daily sales and profits, and exporting data to CSV files.

Major Small and Practice Projects

COMPETITIONS

• Winner OOP Course Semester Project

Won the best Semester Project in my Department among 150 students, along with certificates and Cash Prizes

• Participated in Programming Competition in Devsinc

This was a Speed Programming Competition in a Professional Software Company, tackling Data Structures, Greedy Algorithms, and DP Problems

WORK EXPERIENCE

Software Engineering Intern

Inara Technologies (Onsite)

06/2025 - Present

Working on Backend Technologies in Python DRF, API, testing, and Websockets for 2-way Communication

General Member Taxilians Robotics and Automation Club

09/2023 - Present

My Role in this society is related to learning new opportunities, internships, finding and solving problems

Achievements / Tasks

Winner OOP Course Semester Project

Frontend Web Developer (Internship)

Interns Pakistan

08/2023 - 10/2023, Learnt Basic Skills as HTML5, CSS3, PHP and Backend Concepts

CERTIFICATES

- API Testing Learning Path Certificate
- Postman API Fundamentals Student Expert
- Machine Learning with Python
- 100 Days of Code: The Complete Python Pro Bootcamp
- SQL Basic Hackerrank
- Transformers in LLMs
- Critical Thinking and Problem Solving (LinkedIn)
- How to Ace Your Interviews (Nestle)
- Participation in Space Week Organized by NCGSA