

MANSOOR AKHTAR

Software Engineer

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Professional Experience

Software Engineer,

2024 – present

Developed

- a Personality Prediction System using Flask and Twitter API for real-time personality analysis through natural language processing.

Built and maintained

- a Student Management System in Django with role-based dashboards, attendance tracking, grading, and exam management features.

Created

- A University Club Management System in Django to manage events, memberships, and club activities efficiently.

Gained hands-on experience

In cloud deployment by hosting a real estate web app on AWS EC2 with Nginx, configuring domain and server environments.

Acquired working knowledge of AWS S3

- for storage and future cloud integrations.

Worked with Firebase

- In building a WhatsApp Clone Android app in Java, implementing user authentication, chat functionality, and profile system.

Education

Khwaja Fareed University of Engineering & Information Technology

2021-2025

Bachelor of Science in Computer Science

Organizations

No formal organization experience yet — actively seeking opportunities to contribute.

Skills

Programming Languages

Python, JavaScript, Java, C++

Web Technologies

HTML, CSS, JavaScript, Bootstrap

Databases

PostgreSQL, MySQL, Sqlite,

Libraries & Frameworks

Django, Flask, Bootstrap, Tailwind CSS

Tools & Platforms

AWS, EC2, S3, Git, GitHub, Figma

Projects

Personality Prediction System – Flask (Final Year Project)

- Developed a web-based application that analyzes Twitter profiles to predict personality traits using NLP and machine learning techniques.
- Implemented using Flask, integrated with Twitter API, and deployed locally; included user-friendly input forms and result visualization.

Student Management System – Django Web App

- Built a role-based academic management platform for students, teachers, and admins.
- Features include secure login, attendance tracking, grading, and exam management.

Real Estate Web App – AWS EC2 Deployment

- Deployed a Django-based real estate listing application on AWS EC2 using Nginx, and domain configuration.
- Gained experience in server setup, virtual environments, and basic Linux administration.

WhatsApp Clone – Android (Semester Project)

- Designed a chat application in **Java** using **Firebase** for backend services.
- Included working **chat** and **profile management** features; UI and additional modules were partially implemented.