

MUHAMMAD AWAIS NAZIR

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SUMMARY

I am a dedicated Software Engineering student at UET Taxila with a strong interest in software development and practical problem-solving. I have experience working with Python, Java, and C++, and have developed both desktop and web-based applications. My work includes building automation tools, database systems, and applications that integrate intelligent features such as object detection and disease prediction. I am eager to apply my skills in real-world projects and continue learning through hands-on experience. I am currently looking for internship opportunities where I can contribute to software development tasks and grow as a professional engineer

TECHNICAL SKILLS

- Programming Languages:** Python, Java, C++, MATLAB
- Web & Software Development:** HTML, CSS, JavaScript, MERN Stack (familiar), Desktop App Development
- Databases:** SQL, Oracle Database, MySQL, MongoDB
- Tools & Technologies:** Git, GitHub, Docker
- Computer Science Fundamentals:** Object-Oriented Programming (OOP), Data Structures & Algorithms, Operating Systems, Database Management Systems (DBMS)
- AI & Machine Learning:** Scikit-Learn, PyTorch, TensorFlow, LangChain, LLMs, Generative AI, Natural Language Processing (NLP), Digital Image Processing
- Data Analysis & Visualization:** NumPy, Pandas, Matplotlib, Seaborn

EDUCATION

Bachelor in Software Engineering

Sep 2022 - Sep 2026

'Expected'

University of Engineering & Technology (UET) Taxila - 7th Semester

- CGPA **3.61/4.00**

PROJECTS

Sign Language Recognition & Translation

End Semester Project

Technologies: Python, OpenCV, Digital Image Processing, Machine Learning

Developing a system to recognize and translate sign language gestures into text/audio using Digital Image Processing and Machine Learning models. This project aims to enhance accessibility for the deaf community by providing an intuitive communication tool.

RoziRoti.pk – A Web Platform for Physical Freelancing

End Semester Project

Technologies: React, Node.js, Express.js, MongoDB

Developed a unique web application that connects local laborers (e.g., electricians, plumbers) with nearby customers through a click-based hiring system. This platform bridges the gap between skilled workers and customers, promoting digital transformation in physical freelancing.

Digital Wellbeing Companion – Desktop Productivity App

Technologies: Python, PyQt, SQLite

Built a desktop application to monitor screen time, track app usage, and provide productivity insights.

Integrated a Pomodoro timer, break reminders, and an intuitive GUI to help users maintain a healthy digital balance.

AI-Powered Auto-Player Detection for Call of Duty: Warzone

Technologies: Python, OpenCV, Digital Image Processing, Machine Learning

Trained a YOLOv8 object detection model to recognize enemy players in gameplay of Call of Duty: Warzone.

Other Notable Projects

- **Automated Trading Bot** – Developed a bot that automates trades based on real-time market conditions using Python.
- **Laptop Price Prediction** – Built a machine learning model using scikit-learn to predict laptop prices based on features.
- **PDF Merge & Split Tool** – Created a Windows context menu tool for quick merging and splitting of PDFs using Python.
- **Train Reservation System** – Developed a JavaFX-based train booking system with Oracle Database for efficient ticket management.
- **Diabetes Prediction App** – Built a Streamlit-based web app for diabetes risk prediction using machine learning.
- **Uber Data Analysis** – Performed data visualization and insights extraction on Uber ride data using Pandas and Matplotlib.
- **Movie Recommendation System** – Implemented a content-based filtering recommendation system using Python.
- **Book Data Analysis** – Analyzed trends and patterns in book sales data using Python and data analytics tools.

CERTIFICATES

- Generative AI Concepts – DataCamp (Mar 2024)
- Introduction to Docker – DataCamp (Mar 2024)
- Microsoft Cloud Seekho – Microsoft Learn Student Ambassadors (Mar 2024)
- Python Programming – Coursera (Google Course) (Sep 2023)
- Supervised Machine Learning: Regression and Classification – Coursera (Offered by Andrew Ng) (Aug 2023)

EXTRACURRICULAR ACTIVITIES

- **University Societies** – Active member of SoftDesk and AI Community Pakistan, which focus on technology, innovation, and knowledge sharing. My role includes both assisting fellow students in their learning journeys and expanding my knowledge too.
- **Student Organizations** – Part of Scholar Bridge Society, helping students stay informed about academic and career opportunities.
- **Cricket Enthusiast** – Enjoys cricket in my free time