

Furqan Asif

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github.com/Furqan-10

Introduction

I am a Computer Science student at UET Lahore with a deep interest in creating impactful, future-ready technology. My journey so far has blended academic learning with hands-on experimentation, allowing me to apply core computer science principles to real-world problems.

Education

University of Engineering & Technology, Lahore, BS Computer Science Sept 2023 – June 2027

- **Current CGPA:** 3.25/4.0
- **Coursework:** Object Oriented Programming, Data Structures & Algorithms, Advance Database Management Systems, Computer Organization, Information Security, Artificial Intelligence

Punjab College, FSc Pre-Engineering Oct 2021 – June 2023

- **Grade:** A

Personal Projects

AI-Based Face Mask Detection github.com/Furqan-10/
AI-Face-Mask-Detection

- A real-time face mask recognition system using a fine-tuned MobileNetV2 model and OpenCV Haar Cascade, achieving 99.19% accuracy.
- Tools Used: Python, OpenCV

Custom DBMS github.com/Ahmad-17R/
DBMS

- We built a simple custom Database Management System from scratch as part of a group project in the ADBMS course.
- Tools Used: C#, CLI

Custom DNS Server github.com/Furqan-10/
CustomDNS

- A Python-based DNS server using dnslib, socket, and UDPServer to block specified domains by returning fake IP responses.
- Tools Used: Python (Flask)

Portfolio Website github.com/Furqan-10/
Portfolio

- A responsive and animated personal portfolio built with Next.js, Tailwind CSS, and Framer Motion.
- Tools Used: React, Next.js, Tailwind CSS, Framer Motion

AI-Based Fire Detection System github.com/Furqan-10/ AI-
Based-Fire-Detection-System

- An IoT-integrated fire detection system combining sensor data, Arduino-ESP32 communication, and a cloud-hosted AI model.
- Tools Used: C, ESP32, Arduino, Hugging Face

Campus Navigation System github.com/Hannanm10/
Campus-Navigation-System

- Built a navigation system, using graphs, for easy navigating across the UET campus.
- Tools Used: C#, .NET

Klondike Solitaire

[github.com/Furqan-10/
Solitaire-Game](https://github.com/Furqan-10/Solitaire-Game)

- A CLI-based Solitaire game developed in C# using custom implementations of stacks, queues, and linked lists to manage gameplay logic.
- Tools Used: C#, CLI

Store Management System

[github.com/Furqan-10/
Store-Management-System](https://github.com/Furqan-10/Store-Management-System)

- A multi-layered C# application with a Project Library, a WinForms frontend, and a Console App for CRUD operations on products.
- Tools Used: C#, SQL, WinForms, CLI

Skills Summary

Languages: Python, C++, C, C#, HTML/CSS, SQL, JavaScript

Technologies: Web Development(.NET, React, Node.js, Next.js), Databases(MySQL, MongoDB), Data Science, AI / ML / DL

Tools: VS Code, Visual Studio 2022, Git, GitHub

Languages

- English (Professional)
- Urdu (Native)

Hobbies

- Sports (Football)
- Gym