

AYAAN ZAMAN KHATTAK

ayaankhattak0@gmail.com | +923114076077 | Nadirabad Lahore, Pakistan

Education

University of Central Punjab | Lahore, Pakistan Current Semester 5

- Current CGPA 3.1

Garrison Academy for Cambridge Studies | Lahore, Pakistan A level Class of 2019-2021

Garrison Academy for Cambridge Studies | Lahore, Pakistan O Level Class of 2017-2019

Projects

Intelligent Traffic Signal System (Lahore, Pakistan)

- Developed an intelligent traffic control system using advanced sensors and data analytics.
- Optimized signal timings, reduced congestion, and improved overall traffic management efficiency.

Matrix Calculator (C++)

- Implemented a matrix calculator using C++ programming fundamentals.
- Facilitated matrix operations such as addition, subtraction, multiplication, and inversion.

AVL Tree Project (C++)

- Developed an AVL Tree in C++ using advanced data structures and algorithms (DSA) techniques.
- Implemented balancing operations and utilized object-oriented programming (OOP) principles to maintain efficient tree structure.

Student Record Management System (C++)

- Created a system in C++ for managing, searching, and deleting student records.
- Designed a user-friendly interface to interact with the system.

Fraud Detection System (Python)

- Implemented a fraud detection system using Python.
- Applied data analytics techniques such as K-Nearest Neighbors (KNN) and Convolutional Neural Networks (CNN) for accurate fraud detection.

SQL Property Management System

- Developed a property management system using MySQL Workbench.
- Managed property records with efficient database operations.

Full Stack Web Development (In Progress)

- Currently learning and developing skills in HTML & CSS.
- Working towards building complete web applications with a focus on both front-end and back-end technologies.

Achievements

First Place, Query Master Competition 2024

Tech Wars, South Asian University

Sciensation 2019 Lahore, Pakistan

Awarded the Best Delegation out of 30 teams.

Achieved victory in 5 modules.

Skills

C++, PYTHON, MySQL, HTML, CSS, JAVASCRIPT(in progress)

Courses Related

Programming Fundamentals, Data Structures, Object Oriented Programming, SQL.