

HAZIQ BILAL

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EDUCATION

Foundation for Advancement of Science and Technology (FAST) NUCES, Pakistan

September 2023 – Present

BS Computer Science

- **Relevant Coursework:** ICT, Objected Oriented Programming, Data Structures, Computer Organization and Assembly language, Design and Analysis of Algorithms, Discrete Math, Theory of Automata, Software Design and Analysis, Operating Systems, Database Systems, Computer Networks, Cloud Computing

International School Lahore (ISL)

August 2021 – 2023

A-Levels

CGPA: 3.05

LEADERSHIP EXPERIENCE

Director Media – ISL Invictus | International School Lahore

Jan. 2023

- Led media planning and execution for a major sports event, managing content creation, coordinating coverage across platforms, and overseeing on-ground teams to ensure strong visibility and professional representation of the event.

Director Media - TEDxISL | International School Lahore

Oct. 2022

- Directed all media operations for a TEDx event, leading creative and technical teams, managing branding and digital coverage, and ensuring cohesive storytelling across social media, promotions, and event-day visuals

PROJECTS

Gym App | C++

Dec 2023

- Developed a C++ terminal-based gym and fitness system featuring structured workout routines, training tips, workout-oriented meal guidance, and multiple health calculators, providing an interactive, menu-driven fitness experience through the command line.

Car Rental System | C++

Apr 2024

- Developed a C++ terminal-based car rental management system using object-oriented programming concepts, implementing features for vehicle management, customer handling, rentals, and returns through a structured, menu-driven interface

Flappy Bird Clone | NASM x86 Assembly Language

Dec 2024

- Developed a Flappy Bird-style side-scrolling game using x86 Assembly, implementing dynamic obstacle generation and precise collision detection..

Cinema Web App | Node.js, Express.js, SQL Server, HTML/CSS, JavaScript

May 2025

- Designed a full-stack web application for cinema management, including movie listings, ticket booking, and showtime scheduling for a web development project.

Water Filtration Plant Maintenance App | Nest.js, React, TypeORM, PostgreSQL, Typescript, AWS

Aug 2025

- Built a production-ready NestJS & TypeORM app with PostgreSQL, AWS deployment, S3 storage, and maps integration for managing water plant operations, employee reports, and logs.

SKILLS

Languages:

C++, C, Python, JavaScript, Typescript, HTML/CSS, SQL, NASM x86 Assembly

Frameworks/Libraries:

Node.js, React, Express, Nest, Next MongoDB, Postgres

Developer Tools:

Git, Bash

Software:

Visual Studio Code, Visual Studio, DOSBox