

Muhammad Zain

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SCAN TO VISIT
MY PORTFOLIO

Summary

As a Software Engineering final year student at Bahria University, and a Google certified Cybersecurity professional, I continually strive to enhance my technical and problem-solving skills.

With a solid foundation in programming languages, .NET development, and machine learning, I am driven by a passion for innovation and excellence.

Apart from engineering, I embrace leadership and collaborative efforts to aim for collective success. I also aim to achieve success by working hard and fulfilling my commitment to the organization I work at.

Experience

Dot Net Intern at NexinIT

Oct 2023 - Nov 2023 (6 weeks)

I worked in the back-end development of a Customer Invoicing Application on .NET Core and MVC architecture. I utilized Entity Framework for data management, and SQL Server to ensure data integrity and performance. Additionally, I crafted responsive user interfaces with Razor UI, jQuery, AJAX, Bootstrap, HTML, CSS, and JavaScript, enhancing the application's interactivity and overall user experience.

Projects

Don't Blink (Android App)

May 2024 - Jun 2024 • github.com/mzainxo/Dont-Blink-Game-Android

- An Android app developed using Android Studio and Material UI 3.
- Uses Google Vision library for eye detection with 98% accuracy.
- Firebase Realtime Database for efficient data management and leaderboards.

Driver Drowsiness Detection System

Dec 2023 - Jan 2024 • github.com/mzainxo/Driver-Drowsiness-Detection-System

- Utilizing OpenCV for real-time video capture and image processing to monitor the driver's face.
- Implementing a Convolutional Neural Network (CNN) model through Keras for the classification of the driver's eye state.

Vehicle Trading System (WinForms)

May 2023 - June 2023 • github.com/mzainxo/VehicleTradingSystem

- A state-of-the-art vehicle management system designed to streamline and optimize your vehicle operations.

- The project features building a strong and effective database infrastructure, guaranteeing flawless data administration.
- It involves arrangement and maintaining financially crucial data on automobiles, maintenance logs, maintenance/repair costs, and the profit and loss bared.

Maze Rush

Jan 2023 - Feb 2023 • github.com/mzainxo/MazeRush

- A Labyrinth maze game using A* algorithm.
- The player must find out the shortest path through the maze within the provided time, along with a leaderboard.
- This project uses Windows forms, C#.

Skills

Technical Skills:

C#, SQL, Python, Java, C, HTML, CSS, JavaScript, MongoDB, MVC Architecture, .NET Framework, RESTful APIs, Agile Methodologies, Incident Response, Linux, Bash script, OpenCV, TensorFlow, Pandas, Entity Framework, NLTK, Material UI

Tools/Platforms:

Visual Studio, VS Code, GitHub, MS Azure, Postman, Cisco Packet Tracer, Wireshark, Tcpdump, Oracle VM VirtualBox, Android Studio, KNIME, Trello, Linux, Arduino, Multisim, Proteus, Unity Engine, MS Office, Google Collaboratory, Canva, MongoDB Atlas, Code pen, NetBeans, MIPS

Soft Skills:

Teamwork, Problem-solving, Documentation, Engaging Presentation, Leadership.

Certifications

Google Cybersecurity Professional Certificate

from Coursera

Aug 2023 - Feb 2024 • XYFED8SFSTU5

Education

Bachelors of Software Engineering

from Bahria University

Graduating in 2025 • CGPA 3.68 out of 4.00

HSSC in Pre-Engineering

from Aga Khan Higher Secondary School, Karachi

Finished in 2021 • Grade A-1

SSC in Science Group

from Pakistan International School, Jeddah (Saudi Arabia)

Finished in 2019 • Grade A