

Muhammad Zain

Software Engineering Student

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SUMMARY

Motivated and detail-oriented final year software engineering student possessing hands-on experience in Android Development, .NET development and Machine Learning, and strong foundational knowledge in Cybersecurity, I am passionate about applying my technical skills to contribute to success. Eager to learn from industry experts and apply my adaptability and quick learning abilities in a dynamic environment.

TOP PROJECTS

Intelligent Cyber Attacks Detection System – Final Year Project

OCTOBER 2024 – IN PROGRESS – github.com/mzainxo/ICADS

- Integrating anomaly-based detection (ML/DL) with Suricata IDS for better detection of sophisticated DDoS attacks.
- Development of front-end panel for monitoring and controlling packets.

Realtime Phishing Emails Detection System – Web Application

NOV 2024 – DEC 2024 – github.com/mzainxo/Phishing-email-detection-using-ML-and-NLP

The project utilizes Python, Streamlit, Random Forest Classifier, TF-IDF Vectorizer, and NLP

Don't Blink Game – Android App

MAY 2024 – JUNE 2024 – github.com/mzainxo/Dont-Blink-Game-Android

- The project utilizes Java, Firebase Realtime Database, Android Studio, Material UI 3, Google Vision, Jira, and XML.

Vehicle Trading System – Windows Forms App

MAY 2023 – JUNE 2023 – github.com/mzainxo/VehicleTradingSystem

- The project utilizes C#, SQL Server, Windows Forms, Singleton, and Decorator Design Patterns.

Labyrinth Maze Game (Maze Rush) – Windows Forms App

JAN 2023 – FEB 2023 – github.com/mzainxo/MazeRush

- The project utilizes C#, Windows Forms, A* Algorithm, and Filing.

Candy Crush Game (Color Mania) – Unity

MAY 2022 – JUNE 2022 – github.com/mzainxo/ColorMania

- The project utilizes C#, Unity Engine 3D

Subway Surfers Game (CUBRO) – Unity

DEC 2021 – JAN 2022 – github.com/mzainxo/CUBRO-Beginner-Subway-Surfers

- The project utilizes C#, Unity Engine 3D

EXPERIENCE

Full Stack Developer (Internship) – NexinIT

OCTOBER 2023 - NOVEMBER 2023

- Utilizing ASP.NET MVC, Entity Framework, SQL Server, HTML/CSS, jQuery, AJAX, JavaScript, Postman, MS Azure, Bootstrap, Razor, Select2, GitHub

EDUCATION

Bachelors in Software Engineering – Bahria University

OCTOBER 2021 - JULY 2025 • 8th SEMESTER • CGPA: 3.72

- **Relevant Coursework:** OOP, Database Management Systems, Cloud Computing, Data Structures & Algorithms, OS, User Interaction, Natural Language Processing, Data Mining, Data Science, Mobile App Dev., Information Security, Accounting & Finance, Software Project Management, Web Engineering, Computer Networks, Design and Analysis of Algorithms, Computer Programming, Software Design & Architecture, Computer Architecture & Logic Design.

Pre-Engineering (HSSC) – Aga Khan Higher Secondary School, Karachi

AUGUST 2019 - JUNE 2021 • **Grade: A1**

Science Group (SSC) – Pakistan International School, Jeddah

OCTOBER 2016 - JULY 2025 • **Grade: A**

SKILLS & TOOLS

- Machine Learning, Natural Language Processing.
- C#, Java, Python, C, Bash, Assembly, and SQL.
- HTML, CSS, JavaScript, and XML.
- Suricata, Tcpdump, Wireshark, VMware
- Cisco Packet Tracer
- Postman.
- GitHub.
- Jira, Trello, Documentation.
- Agile, Scrum, Lean & Kanban Methodologies.
- Risk Management.
- SPLC and SDLC.
- Leadership, Problem Solving, Teamwork, Decision Making.
- Project planning.
- Project monitoring, and control.
- Communication & Presentation.
- Incidence Response.

CERTIFICATIONS

Google Cybersecurity Professional Certificate – Coursera

FEBRUARY 2024

Certified in Cybersecurity (CC) – ISC2

FEBRUARY 2025 – FEBRUARY 2028