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Software Engineer

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## SUMMARY

Dynamic tech student with expertise in software development, data science, and AI. Passionate about problem-solving, innovation, and building impactful tech solutions while continuously learning and growing.

## EDUCATION

### Bahria University Karachi Campus

2022–2026

Bachelor's Degree in Software Engineering

3.36 CGPA • Data Science & AI

• 6th Semester

### Bahria College Karsaz

2007–2022

Pre Engineering

## SKILLS

- C#
- Python
- Java
- Flask
- ASP.NET
- Machine Learning Algorithm
- Data Analytics
- Oracle SQL Developer
- Microsoft SQL Server
- MYSQL
- PowerBI
- Figma
- MS Office
- Software Documentation
- Trello
- GitHub

## PROFESSIONAL EXPERIENCE

### Karachi Shipyard & Engineering Works Ltd

Internship | July 2024–September 2024

- Working with IFS software and Oracle SQL database for database management tasks.
- Developing an attendance system using ASP.NET, C#, and various databases.
- Contributing to the design, coding, and implementation of a streamlined attendance tracking solution.
- Gaining hands-on experience in software development and database management with industry-standard tools.

### Apprise Cyber

Intern | May 2024– July 2024

- Completed the Cyber Security Fundamentals course at Apprise Cyber, covering web, mobile, network security, and social engineering.
- Gained hands-on experience working with the team on real-world cybersecurity challenges and threat analysis.

### Bahria University Developer Society

Vice President | 2023– 2024

- Managed and oversaw multiple teams, including Development, Operations, HR, and Finance, ensuring smooth operations.
- Supervised the creation and launch of the society's official website, enhancing online presence.
- Led the planning and execution of Bahria University's first-ever hackathon, coordinating with cross-functional teams.
- Handled strategic planning, fostering communication between departments to align initiatives with university objectives.
- Contributed to campus impact by driving innovation, leadership, and student engagement.

## PROJECTS

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### **Spam Email Detection**

- Worked on a Data Science project utilizing the Naive Bayes algorithm for predictive modeling.
- Developed the project using Flask to create a web application for real-time data analysis and visualization.

### **Karachi Shipyard Attendance System**

- Developed the Karachi Shipyard Attendance System using the ASP.NET Framework, C#, and integrated with MySQL and Oracle SQL Developer for efficient data management and reporting.

### **Armed Force Test Conducting Application**

- Developed the Armed Forces Test Application using the ASP.NET Framework and C#, following an N-Tier architecture for scalable and maintainable code.
- Implemented features for user management and test result tracking, enhancing the application's efficiency and functionality.

### **Traffic Route Guidance System**

- Developed the Traffic Route Guidance System as a Windows Form Application using C#.
- Implemented Kruskal's and Dijkstra's algorithms to provide optimal route recommendations for traffic management and navigation.

### **Initial Test Application (Armed Forces)**

- Developed the Initial Test Application for the Armed Forces as a Windows Form Application.
- Integrated MS Access for database management, enabling efficient storage and retrieval of test data.

### **Armed Force Test Conducting Application (Figma Design)**

- Designed a high-fidelity prototype for the Armed Forces Test Conducting Application using Figma. The prototype focused on intuitive test scheduling, result tracking, and user management features, ensuring an optimized user experience for both administrators and candidates. The design was aimed at streamlining the test process while maintaining ease of use and efficiency.

## CERTIFICATIONS

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### **Introduction to Python**

- Data Camp • August 2024 • Short course

### **Basic of Data science**

- Data Camp • Sep 2024 • Short course

### **Understanding of Data science**

- Data Camp • Sep 2024 • Short course

### **Introduction to PowerBI**

- Data Camp • Sep 2024 • Short course

### **Cyber Security Essentials**

- CISCO • Apr 2024 • Short course

### **Cyber Security Fundamental**

- Apprise Cyber • May 2024 • Long course

## REFERENCE

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Available upon request.