



Haris Khan

Software Engineer

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Motivated software engineering student with a passion for innovation and a strong track record of thriving in collaborative settings, eager to contribute to advanced solutions.

EDUCATION

Bachelor's in Software Engineering

Riphah International Univeristy - RIU

08/2021 - Present

Intermediate in Computer Science

I.M.C.B, F-11/3, Islamabad

03/2019 - 04/2021

PERSONAL PROJECTS

Tic Tac Toe

- Developed a dynamic Tic Tac Toe game in C++.
- Featured 16 players ability to play at a time with multiple grid options.
- Tools used: C++ with basic programming concepts and SFML libraries.

University Management System

- Student records, CGPA, Courses, Credit Hours, Fees, Marks and Teacher records.
- Tools used: Java, Object-Oriented Programming (OOP).

Student Management System using Data Structure

- Developed a data structure-based student management system.
- Saves, displays and deletes all the records of students in text files for easy viewing and shareability.
- Tools used: C++, Linked List, Queues, Stacks and file handling.

Research on Optimizing System Performance of Windows OS

- Research Paper: Optimizing System Performance: Memory Management, Networking, and Gaming in Windows DirectX Environment.
- Collaborators: M. Furqan Qureshi and Talha Abbasi.
- Research Director: Sir Shahzad Ahmed Khan.

E-Parking Challan System

- Developed the E-Parking Challan System, a web-based application for automating traffic violation management and challan issuance.
- Integrated a robust database for efficient storage and management of traffic violation data.
- Tools used: ASP.NET and MySQL.

University Management System and Portal

- Designed a user-friendly interface for efficient management of university data and operations.
- Implemented functionalities to streamline academic and administrative processes for students, faculty and staff.
- Tools used: C#, ASP.NET Web Forms and MySQL.

Cognitive Enhancement Game Suite

- Developed psychology-based mind games focusing on verbal memory, memory retention, and reaction time.
- Created interactive experiences to enhance cognitive abilities.
- Tools used: Python and Pygame library.

SKILLS

C/C++ HTML CSS Java JavaScript
Python MySQL .NET Framework
ASP.NET

WORK EXPERIENCE

Internship | Samhan Technologies

(04/2023 - 07/2023)

Developed a collaborative system for employees and managers to enhance project management and performance evaluations.

CERTIFICATES

Process Map Data using C++ Adjacency List Shortest Path (12/2022 - 01/2023)

Acquired expertise in processing map data with C++ through Coursera's "Adjacency List Shortest Path" course.

IBM Full Stack Developer Certificate

(04/2023 - 07/2023)

Earned IBM Full Stack Developer Certificate on Coursera, mastering front-end, back-end and cloud technologies.

CRUD Operations using MongoDB NoSQL

(10/2023 - 11/2023)

Achieved proficiency in MongoDB NoSQL through Coursera's "CRUD Operations" course, enhancing database management skills.

Introduction to Relational Database and SQL

(10/2023 - 11/2023)

Mastered SQL fundamentals via Coursera's "Introduction to Relational Databases" course, enhancing database querying skills.

Create a Python Application using PyMongo and MongoDB Database (11/2023 - 12/2023)

Developed a Python application with PyMongo and MongoDB Database skills from Coursera's course.

Meta Social Media Marketing Professional Certificate

(02/2024 - 05/2024)

Earned the Meta Social Media Marketing Professional Certificate, mastering social media strategy and content creation.

INTERESTS

Technology Innovation Coding Gadgets
Software Development Volunteering Fitness
Gaming Reading Soccer