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Mohammad Aosaf

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EDUCATION

National University of Computer and Emerging Sciences Islamabad	2020 — present
<ul style="list-style-type: none">Bachelor of Computer Science6th Semester	CGPA 3.46
A levels, Roots School System Islamabad	2019
O levels, Roots School System Islamabad	2017

PROJECTS

MERN app

- Created a Volunteer Matching System which included:
- Login/sign-up feature with validation.
- Search feature.
- Database.

Database Systems

- FYP management system using Microsoft SQL server, C sharp, and ASP.net.
- Created the database using SQL in Microsoft SQL management server.
- Connected the Database with the front-end user interface developed in ASP.net using C Sharp.
- Implemented user management, different user views, and various functionalities backed by SQL queries.

Data Structures

- Routing of a message on a network of Nodes in C++.
- Network of routers was provided in a file in the form of an adjacency matrix.
- Sent the message from one graph node to the other using the smallest path calculated using Dijkstra's algorithm.

Operating Systems

- Demonstrating different scheduling algorithms in OS like First Come First Serve, Round Robin, and Priority preemption.
- Processes and their arrival times, CPU bursts, priorities and I/O bursts were provided in a file, read the input from files, and processed them.

Computer Organization and Assembly Language

- Candy Crush game in Assembly Language.
- Generated a grid randomly filled with different candies, where the player could move adjacent candies to make a match of 3 consecutive candies to earn points.
- Provided the graphics of the game using 16-bit assembly language.

Software Design and analysis

- Gym Management System.

Object Oriented Programming

- Tetris game using SFML/C++.

ACTIVITIES

International Collegiate Programming Contest	2021
<ul style="list-style-type: none">Speed programming competition.I reached the regional stage of the competition which was held in GIKI and achieved 13th position out of 70 teams belonging to different Universities from the region	

SKILLS

Tools and Languages	Python, Hadoop, Ms SQL SERVER, MySQL, Assembly Language, HTML, CSS, JavaScript, Node.js, React.js, MongoDB, Express, Java, C/C++
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