Bilal Ahmed Khan

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EDUCATION

NUCES-FAST UNIVERSITY
BS in Computer Science
2024 | Karachi, Sindh
Cum. GPA: 3.52 / 4.0

ADAMJEE GOVT. COLLEGE
Result: 88.18 percent
Grad. 2020 | Karachi, Pakistan

LINKS

Github:// BilalAhmed_358
LinkedIn:// ahmedkhanbilal
Medium:// @ahmedkhanbilal358

COURSEWORK

UNDERGRADUATE
Recommender Systems
Artificial Intelligence
Operating Systems
Software Engineering
Data Structures
Parallel and Distributed Computing
Numerical Computing
Differential Equations
Probability and Stats
Graph Theory
Fundamentals of Management
Global Marketing

SKILLS

LANGUAGES
Python • JavaScript • Php
C • C++ • HTML • CSS

FRAMEWORKS
Bootstrap • Tailwind CSS • React
ExpressJS • NodeJS

DATABASES
MySQL • PostgreSQL • MongoDB

TOOLS
Git • Github • WordPress

PROJECTS

PORT MANAGEMENT SYSTEM
June 2022
Github repo link

A full stack webdev project that covers all aspects of port management.

- Users would be able to register and log in to the system to access different features, such as adding and editing cargo information, scheduling shipments, and generating reports.
- The system would also provide real-time information about the location and status of ships, helping to improve the efficiency of port operations.
- Overall, the project would be a comprehensive solution to manage all aspects of port operations, making it easier for port managers to keep track of cargo, shipments, and vessels.

Tech Stack
1. HTML 2. CSS 3. Javascript 4. Bootstrap 5. Php 6. MySQL

SORTING VISUALISER
August 2022
Github repo link

This application is created using React for visualizing classic sorting algorithms such as merge-sort, quick-sort, insertion-sort, selection-sort, etc.

It visualizes the working of famous sorting Algorithms such as:
1. Bubble Sort 2. Count Sort 3. Heap Sort 4. Insertion Sort
5. Merge Sort 6. Quick Sort 7. Hybrid Quick Sort 8. Radix Sort
9. Selection Sort

Tech Stack
1. React 2. Javascript 3. CSS 4. HTML

PARALLEL CALCULATION OF CONVOLUTION OF MATRIX
July 2022
Github repo link

The project utilizes parallel computing to efficiently calculate the convolution of a matrix. By leveraging the power of multi-core processors, we were able to reduce computation times by almost 50% for a 2000x2000 matrix convolution.

Tech Stack
1. C++ 2. Openmp Library

AWARDS

2020	SGPA: 3.92	Dean's List of Honours Fall 2020
2021	SGPA: 3.94	Dean's List of Honours Spring 2021