ARJUN K

PORTFOLIO PROFILE

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PROFILE SUMMARY

I'm a passionate and aspiring software engineer with a strong desire to create innovative solutions and push the boundaries of technology.With a deep love for coding and problem-solving, I am constantly seeking opportunities to learn and grow in this ever-evolving field

EDUCATION

KPR Institute of Engineering & Tech

Bachelor's Degree in ECE || CGPA - 7.39
2018 – 2022

Kathiravan Matric High Sec School

HSC - 86%
2017 – 2018

SSLC - 94.5%
2015 – 2016

SKILLS

- C++, C#, Java, VBA macro, HTML, CSS, JavaScript
- Concepts: OOP, Data Structures, Multithreading
- Tools: Visual Studio code, Git, GitHub, Oracle SQL Developer
- Soft skills: Problem Solving, Debugging, Technical Support,

PROFESSIONAL

Software Engineer

Tech Mahindra | 2023 Feb - Present

- Used Oracle SQL Developer to query system logs, diagnose software issues, and generate customized reports for warehouse management system.
- Developed and maintained VBA macros to automate repetitive Excel tasks for UPS clients, reducing manual effort by 60%.
- Diagnosed and resolved software issues through systematic debugging, reducing client downtime.

Technologies :

- Oracle SQL Developer, Softeon solution.

Language :

- SQL
- VBA Macro

TECHNICAL PROFILES

- Leetcode
- GeeksforGeeks
- Github

PROJECTS

Portfolio: Deployed
Technologies: HTML, CSS, JavaScript
Description:
Created a personal portfolio website using HTML, CSS, and JavaScript to introduce myself, share my projects. The site features a responsive layout, clean UI, and organized sections.
Github link:
Portfolio

Air Traffic Control System
Technologies: C++, Multithreading, OOP, STL, Git, GitHub
Description:
Developed a console-based air traffic control system using C++, simulating runway allocation for takeoff and landing operations. Integrated multithreading to manage runway availability in real-time. Designed an object-oriented structure with classes for Flight, Runway, Thread Manager, and a central system controller to handle logic. Utilized STL containers like map and unordered_map for efficient data handling.
Key Features:
Real-time simulation using std::thread and sleep_for for runway processing.
Dynamically allocates runways based on flight weight and duration.
Modular design with reusable components and clean separation of concerns.
Includes a console UI for managing operations like takeoff, landing, emergency requests, and system status.
Github link:
Air traffic control system

Employee Management System
Technologies: Object-Oriented Programming (OOP), File Handling, STL (map, vector), Recursion, Input/Output Formatting
Description:
Designed and implemented a modular C++ application that simulates an query engine which handles employee records, generates hierarchical reports, and allows flexible query-based data filtering based on multiple conditions.
Key Features:

- Uses std::setw for tabular alignment.

Provides quick organizational snapshot.
Github link:
Employee management system