Vicky kumar

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github.com/vickykumar12345

IT Professional

Aspiring Software Developer with a strong foundation in Java, SQL, JavaScript, HTML, and CSS. Skilled in developing user-friendly web applications and writing clean, maintainable code. Committed to continuouslearning and contributing to organizational success through technical excellence.

Education

Bharath Institute Of Higher Education And Research,Chennai   June 2024

- B.Tech in Computer Science Engineering
- CGPA: 8.46

SDS Collage   April 2019

- Intermediate
- 73.3

Projects

Employee Management System(Console-Based)

- Tech Used: Core Java, OOPs, ArrayList
- Developed a dynamic employee database with CRUD operations using Core Java.
- Implemented object-oriented principles like encapsulation and constructor overloading.
- Improved code reusability and reduced redundancy by 35
- Managed dynamic data efficiently using ArrayList.
- Used Java Collection (ArrayList) for dynamic data storage Strengthened coding logic, data handling, and user interaction skills
- This project was built using Core Java and demonstrates the use of OOPs principles and Java Collections

E-commerce Website – Front-End Development Project

- Tools: HTML, CSS, JavaScript
- Built a responsive, interactive shopping website with product listing, cart functionality, and search filters.
- Enhanced user experience with interactive design and real-time JavaScript DOM updates.
- Implemented search and filtering functionalities using JavaScript.
- Reduced bounce rate simulation by 50

AI CAR WITH REAL-TIME DETECTION OF DAMAGED ROAD AND LANE DETECTION

- Tech Used: Python, OpenCV
- Designed and developed a real-time computer vision system for lane detection and road anomaly detection
- Applied OpenCV-based image processing techniques and Python scripting to analyze camera frames
- Focused on enhancing driver safety through AI-driven automation and intelligent road monitoring
- Explored object detection and tracking concepts for autonomous driving features
- Road damage detection is an important task to ensure road safety and realize the timely repair of road damage

TRAINING And INTERNSHIP

Java Developer Training – QSpiders (SDET Track)

Currently undergoing hands-on training in Java

Practicing real-time coding techniques focused on writing clean, testable Java code

Technical SkillS

JAVA
- Strong understanding of OOP concepts: Inheritance, Polymorphism, Abstraction, Encapsulation
- Proficient in Method Overloading, Method Overriding, Constructor Chaining
- Good knowledge of constructors and interface
- Having very good Knowledge in Object Class, String Class.
- Good knowledge of constructors and interface.
- Java Collections: Hands-on experience with ArrayList, LinkedList, HashMap, HashSet
- Good Knowledge on Exception.

AI Internship – MathWorks (Remote)

- Duration: 2 Months
- Gained hands-on exposure to AI concepts and workflows.
- Explored real-world applications of artificial intelligence and tools