Kale Praveen Raj

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Skills

- Java, C, PHP, NodeJS, HTML, CSS, Java Script, React, Spring Boot, SQL, MySQL, MongoDB, Electron

Experience

Engineering Intern   Jan 2025 - Present

Horrizon Tech Alliance World

- Engineered a desktop application for an online wiring harness company, achieving a 30% increase in user engagement and enhancing the shopping experience.
- Integrated Nexar's API based on subscription plans, improving functionality and streamlining user interactions by 25%.
- Stored and managed data from the Nexar API in Supabase, ensuring reliable data retrieval and performance.

Projects

Analyzing Efficiency Of Quantum Computing Using Shor's Algorithm

- Collaborated with a team of two members to explore the principles of Quantum Computing and its applications in developing quantum computers.
- Implemented Shor's Algorithm utilizing quantum gates and circuits, including the quantum Hadamard gate and quantum Control NOT gate, to efficiently transfer two classical bits into a single quantum bit (Qubit).

Transport Company

- Collaborated in a team of three members to design and implement a Transportation Management System aimed at optimizing company transport for employees in sectors such as IT/BPO, manufacturing, and education.
- Developed a software solution to streamline transportation operations, enhancing service quality while reducing routing time and improving cost and fuel efficiency.

Hospital Management System(HMS)

- Collaborated with a team of 5 members to design and implement a Hospital Management System (HMS) website that facilitates patient registration and detail storage.
- Engineered a system that assigns unique IDs to patients and automatically stores their details along with staff information.
- Enabled users to search for doctor availability and retrieve patient details using their unique IDs.
- Secured access to the Hospital Management System through a username and password, ensuring usability for both administrators and receptionists.

Achievements

- Secured Mandal 1st rank in SSC-2011 and got seat in RGUKT Basar.
- Awarded 1st prize in Quiz Competition conducted in Library Weekends at Kotagiri(M).

Education

Rajiv Gandhi University Of Knowledge Technologies Basar   2018
BE/B.Tech/BS in CS │ 7.09 CGPA

Positions of Responsibility and Extra-Curricular Activities

- Served as a CR for 2 semisters at RGUKT-Basar.
- Participated in TCS CodeVita 2016.