GANALA MOHAN RAO

Software Engineer

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EXPERIENCE

Software Engineer at Wipro ⧉ | React, JavaScript, Java, HTML, CSS, SQL   March 2022 - May 2024

- **Spearheaded** the front-end development using **React**, **HTML**, **CSS**, and **JavaScript**, creating a user-friendly and **dynamic interface** that enhanced usability and **responsiveness**.
- **Coordinated** with cross-functional teams to translate project requirements into **responsive designs**, ensuring compatibility across all devices and platforms.
- **Streamlined** database management using **SQL**, implementing efficient data acquisition mechanisms to support **dynamic features** and improve performance.
- **Utilized Visual Studio** for coding and **monitoring**, ensuring clean, maintainable, and easily **debuggable** code throughout the development process.
- Actively **participated** in **code reviews**, adhering to industry best practices to maintain **high-quality standards** and meet **project deadlines**.

PROJECTS

Intelligent Job Portal ⧉ | Java Spring MVC, JSP   December

Built a Job Management System with Spring Boot, featuring dynamic job handling and a responsive UI.

- Developed a Job Application Management System using **Spring Boot** with a three-layered architecture (Controller, Service, Repository) for **modularity** and **scalability**.
- Designed **RESTful endpoints** and integrated **Thymeleaf** for dynamic user interactions, including viewing, adding, and managing job posts with responsive server-rendered **HTML views**.
- Utilized **Java Collections (ArrayList)** for efficient job data management, enabling **preloaded** sample posts and dynamic additions through form submissions.
- Applied **Spring Boot annotations** for **dependency injection**, following **MVC design principles** to ensure clean, readable, and maintainable code.

NewsHive ⧉ | React.js, Node.js   August

Developed a responsive React app that fetches real-time news with category navigation and infinite scrolling.

- Navigate top headlines across categories like Business, Entertainment, Health, and more through a responsive interface.
- Delivered real-time page load feedback with a sleek and dynamic loading bar for enhanced user experience.
- Implemented infinite scrolling to streamline article browsing and eliminate manual pagination.
- Integrated and render real-time news dynamically from the News API using React hooks for efficient and responsive content updates.

HelpMate ⧉ | HTML, CSS, JavaScript   March

A virtual assistant that provides interactive responses and features like weather updates and task management.

- Used **voice recognition** to process **commands** and perform tasks like opening websites or providing time/date.
- Provided **personalized audio feedback** based on user commands for a **dynamic experience**.
- Created an **interactive UI** with smooth transitions and integrated **speech synthesis**.

EDUCATION

Cooch Behar Government Engineering College, Cooch Behar   2017 – 2021
*B.Tech - Computer Science and Engineering - **CGPA** - **8.91***   *Cooch Behar, India*

COURSEWORK / SKILLS

- Data Structure and Algorithms (DSA)
- Database Management System (DBMS)
- Operating Systems
- Oops Concepts
- Software Engineering
- C++

TECHNICAL SKILLS

Languages: C++, C, TypeScript Java, React.js, Node.js, JavaScript, Python, HTML, CSS, , SQL
Frameworks: Spring Boot, Spring MVC, Spring Security, JUnit, OAuth, JWT, React
Tools: Git, PyCharm, IntelliJ IDE, NetBeans IDE, Microsoft SQL Server, Visual Studio Code