Ganala Mohan Rao

Software Engineer

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EXPERIENCE

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

- Implemented front end using React, **HTML**,**CSS**, and **JavaScript** to create a user-friendly and **dynamic** application interface, improving overall usability and responsiveness.
- Coordinated with other departments to translate requirements into **responsive designs**, ensuring compatibility across all devices.
- Utilized **SQL** for database administration, implementing efficient mechanisms for data acquisition to support dynamic **functionalities**.
- Leveraged **Visual Studio** for coding and monitoring, delivering clean, maintainable, and easily debuggable code.
- Participated in **code reviews** and adhered to 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.

CodeWave ↗ | React.js, Spring Boot, PostgreSQL **August**

A web-based coding platform for smooth execution of multiple programming languages with instant results.

- Developed an online platform using **Java Spring Boot**, **React**, and **PostgreSQL**, designed for efficient compilation and execution of code in 5+ programming languages, utilizing **SDLC** for structured planning and execution.
- Implemented real-time code execution, **syntax highlighting**, and **error detection** features, enhancing user interaction by over 40%.
- Optimized **workload management** and performance using a robust and scalable backend with **Java Spring Boot**, reducing response time by 25%.

HelpMate ↗ | HTML, CSS, JavaScript **March**

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

- Developed an **HTML**, **CSS**, and **JavaScript**-based, easy to adapt virtual assistant interface for the users.
- Established **NLP** to capture user queries correctly and feed effective responses.
- incorporated different **APIs** for performing tasks like checking the current weather, and getting brief information of what is going on around the world, as well as the management of jobs.

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, 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