Sasi Venkat Gowd Dasari

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Summary

Computer Science student with strong software development and problem-solving skills. Experienced in building layered applications using Java, and MySQL. Passionate about data-driven problem solving, machine learning, and distributed system design, with strong proficiency in Python, Java, SQL, data analysis, and object-oriented programming.To work in a challenging environment that provides me an opportunity to enhance my skills and knowledge for the growth of the organization.

Education

- B.Tech in Computer Science and Engineering from Parul's Institute of engineering & Technology (2021-2025) with a CGPA of 7.65
- Intermediate from Chaitanya Junior College (2019-2021) with 86%
- SSC from Sri Chaitanya high school (2018-2019) with 9.3 CGPA

Technical Skills

- Programming Languages: Python, Java, C++
- Web Development: HTML, CSS, JavaScript
- Database Management: MySQL, MongoDB
- Tools : VS Code, Git, GitHub

Projects

1. **Student Data Management system**
    - Built a Spring Boot-based Student Data Management System with full CRUD functionality and RESTful APIs, integrated with MySQL.
    - Implemented advanced features such as search, filter (by role/state), and sorting, following a layered architecture for clean and modular code.
    - Utilized JPA Repository for efficient database operations and incorporated exception handling for robust API behavior.
    - Validated all API endpoints using Postman with raw JSON payloads to ensure reliable request/response handling.
2. **Portfolio Website**
    - Designed and developed a personal portfolio website using HTML, CSS, and JavaScript to showcase projects and skills.
    - Implemented responsive design principles to ensure optimal viewing experience across various devices and screen sizes.
    - Utilized modern CSS techniques such as Flexbox and Grid for layout management and enhanced visual appeal.
3. **House Price Prediction**

- Developed a regression-based model using Scikit-Learn to accurately predict real estate prices based on features like location, size, and amenities.
- Executed comprehensive data preprocessing on the dataset, including handling missing values, performing one-hot encoding for categorical variables, and applying feature scaling to numerical data to optimize model performance.
- Engineered new features and performed hyperparameter tuning to enhance predictive power, resulting in a 92% accuracy score.
- Implemented and evaluated various machine learning algorithms, including Linear Regression, Decision Trees, and Gradient Boosting, to identify the most effective predictive model.
