Ganesh Balaga

✉ ganeshbalaga813@gmail.com 📞 9701538689

in linkedin.com/in/ganesh-balaga-6389882b3 ○ github.com/Ganesh-Balaga

PROFILE

- Have a strong foundation in Java, OOPs, Spring Boot, Hibernate, REST APIs, and SQL, along with practical understandig of backend development concepts.
- Strong understanding knowledge of database management using MySQL for effective data management data management and optimization.
- Acquainted with API testing using Postman to verify and maintain backend performance
- Familiar with frontend technologies like HTML & CSS for seamless UI implementation.
- Eager to explore opportunities to work on meaningful projects, learning new technologies, and enhancing skillsc as a software developer.

TECHNICAL SKILLS

Programming Language: Java, Oops
Backend Technologies: Spring Boot, Hibernate, Rest API
Database Management : MYSQL
Markup & Styling Languages: HTML , CSS
Version Control: Git, Github
API Testing: Postman
Development Tools: Eclipse, VsCode, Postman, MYSQL Workbench, Git Bash

EDUCATION

Masters in Computer Applications   2022 – 2024
Kakaraparthi Bhavanarayana College, Vijayawada
8.16/10

SOFT SKILLS

problem-solving & Analytical Thinking
i am ability to debug issues, optimize code, and thinking logically to solve technical challenges.
Teamwork & Collaboration
Effectively collaborated with team members in development environment during my project.
Adaptability & Continuous Learning

PROJECTS

SECURE TASK MANAGEMENT SYSTEM 🔗
I developed a Task Management project using Spring Boot that provides Restful APIs for managing tasks and users with JWT-based authentication. I implemented user registration and login using Spring Security , where utsers can register and log in to obtain a JWT token for accessing protected resources. I integrated Spring Security with JWT to secure the API endpoints, ensuring only authenticated users can perform actions. For task management, I created APIs to allow users to create, update, and manage tasks efficiently. I used Spring Boot for the backend, Hibernate & JPA for database operations and MYSQL as the database. This project ensures secure task management with role-based access control and authentication.

skills i used : Java, Spring Boot, Spring Security, JWT Authentication, RESTful APIs, Hibernate, JPA, MySQL, Postman, Git & GitHub.

CONTEXT BASED IMAGE PROCESSING USING MACHINE LEARNING APPROACHES
I developed a machine learning-based system to predict Diabetes and COVID-19 using medical records and CT scan images. It uses SVM for diabetes detection and CNN for COVID-19 classification, and CBIR for comparing medical image based on features. A Tkinter-based GUI allows users to upload data and view result easily. With 90% accuracy for diabetes and 89% for COVID-19 detection, this system ensures quick and accurate disease diagnosis using AI and image processing.

Skills i used: Python, Machine Learning, Deep Learning, Image Processing, Data Handling, Visualization, GUI Development, Model Evaluation, Version Control.