RITESH SINGH

Bangalore, karnataka | 9340255278 | singhritesh351@gmail.com | LinkedIn | GitHub

OBJECTIVE

Aspiring Full Stack Engineer with a solid grounding in software development and practical problem-solving skills. Recently expanded technical expertise with advanced learning in Core Java and database management systems. Proficient in web technologies like HTML, CSS, and JavaScript, with hands-on experience in Git and Node.js. Eager to contribute to innovative projects by leveraging technical skills and commitment to writing clean, efficient code.

EDUCATION

GYAN GANGA INSTITUTE OF TECHNOLOGY AND SCIENCES

Bachelor of Technology(Honors), Electronics and communication   *Jabalpur, MP*
  •**GPA:** 8.40/10

Centre for Development in Advanced Computing (CDAC)

PG Diploma, Advanced Computing   *Bangalore*

PROJECTS

VEHICLE FIRE OUTBURST DETECTION SYSTEM
- Developed a real-time fire detection system using Arduino and LM35, integrating multiple sensors (temperature, gas, smoke) for accurate signal acquisition.
- Focused on sensor calibration, signal thresholding, and hardware interfacing to simulate vehicle-based fire scenarios.

LOAN MANAGEMENT SYSTEM
- Developed a scalable and secure **Loan Management System** to automate the end-to-end loan lifecycle including user onboarding, loan application, approval workflow, EMI tracking, and repayment management.
- User registration & login with **JWT-based authentication**. **Role-based access control** for Admin and Users.
- **Automated EMI calculation** based on loan amount, interest & tenure. EMI repayment tracking with payment status updates.
- Admin dashboard for managing users and loans. Secure API routes with validation & middleware protection. Error handling using global exception handlers

LICENCES & CERTIFICATIONS

  •Certification on Cybersecurity from Cisco Netacad
  •VLSI Certification from MAVEN SILICON

CORE COMPETENCIES

  •**Programming Languages**: Java, JDBC (Database connectivity, Stored Procedures & Functions)
  •**Database Management**: MySQL, MongoDB
  •**Web Technologies**: HTML, CSS, JavaScript,Spring Boot,.Net Framework.
  •**FrameWorks**: Git, GitHub, Postman, Node.js