

RITESH SINGH

Bangalore, Karnataka | +91-9340255278 | singhritesh351@gmail.com

[Github](#) [LinkedIn](#)

Portfolio: <https://ritesh-singh-portfolio.netlify.app>

SUMMARY

Backend-focused Full Stack Developer experienced with Java, Node.js, Express, PostgreSQL, and MongoDB. Built and deployed MERN applications with JWT authentication, role-based access control, and RESTful APIs. CDAC (Advanced Computing) graduate with strong foundations in DSA, DBMS, and OOP, seeking backend or full stack developer roles.

EDUCATION

Centre for Development of Advanced Computing (CDAC), Bangalore

Post Graduate Diploma in Advanced Computing (PG-DAC) — **Completed 2026**

- Specialization: Advanced Web Programming (MERN) and Java Technologies
- Core Modules: Operating Systems, Database Technologies, Software Engineering

Gyan Ganga Institute of Technology and Sciences, Jabalpur, MP

Bachelor of Technology (Honours) in Electronics & Communication Engineering — **2018–2022**

- CGPA: 8.40 / 10

Career Note

Took time off in 2022–2023 to recover from an appendicitis surgery; continued self-study in Java, DSA, and web development and later completed CDAC with full stack projects.

TECHNICAL SKILLS

Languages: Java, JavaScript (ES6+), SQL, HTML5, CSS3

Backend: Node.js, Express.js, REST APIs, JWT Authentication, Role-Based Access Control (RBAC), JDBC

Frontend: React.js, React Hooks, Context API, Tailwind CSS, Vite, Responsive Design

Databases: PostgreSQL, MongoDB

Tools & Platforms: Git, GitHub, Postman, Docker (basics), VS Code, Railway, Netlify

Concepts: OOP, DBMS, MVC, Microservices (basics), API Design & Testing, Data Structures & Algorithms

PROJECTS

AssetFlow – Investment Simulator

React, Node.js, Express, PostgreSQL | JWT, RBAC, FSM, Vite

[Github](#) | [Live](#)

- Built a full-stack investment simulator with separate Admin/User flows consuming REST APIs.
- Implemented an FSM (8 asset states) to enforce settlement rules and block invalid state transitions.
- Secured APIs using JWT (access/refresh) and RBAC; added request validation and centralized error handling.
- Improved UX/performance with offline caching (localStorage) and CRA → Vite migration; deployed (Railway + Netlify).

Loan Management System | MERN (MongoDB, Express, React, Node.js) | JWT, RBAC

[GitHub](#)

- Built a loan lifecycle app with User applications and Admin approvals.
- Designed REST APIs for loans, EMI schedules, repayments, and status updates; tested using Postman.
- Implemented JWT auth + RBAC; added input validation, Express middleware, and consistent error responses.
- Developed a responsive Admin dashboard with loan status tracking, search, and filtering.

ADDITIONAL INFORMATION

- Comfortable working with Git workflows (branching, pull requests, code reviews).
- Basic understanding of Docker for containerizing Node.js applications.