PAVAN KUMAR K

Full Stack Developer (MERN) | Java | AI Automation

pavank5214@gmail.com   +91 9380400291   Linkedin   GitHub   Portfolio   india

SUMMARY

Full Stack Developer with hands-on experience building real-world MERN applications including billing systems, e-commerce platforms, and AI-assisted dashboards. Strong in backend development, authentication, payment workflows, and data-driven dashboards. Solved 100+ DSA problems using Java. Experienced in applying AI for automation and productivity use cases.

EDUCATION

Diploma in Mechanical Engineering
Shanthinikethan Group of Institutes and Technology, Karnataka
September 2019 - May 2022

Bachelor of Engineering (Mechanical)
Don Bosco Institute of Technology, Karnataka
September 2022 - May 2025
CGPA : 8.0 / 10

PROJECTS

E-commerce Platform for 3D-Printed Designs
React · Node.js · Express · MongoDB · Payment Gateway
Repo : https://github.com/Pavank5214/anuveshana
Live Demo : https://anuveshana-6qwa.vercel.app/

- Built a full-stack e-commerce application to sell custom 3D-printed designs with complete order lifecycle management
- Implemented secure user authentication, cart management, checkout flow, and order history
- Integrated online payment gateway and handled order success/failure states
- Developed admin dashboard to manage products, orders, and order statuses
- Designed production-style backend APIs and database schema for real startup use

Construction Management Dashboard with AI Assistance
React · Node.js · Express · MongoDB · Charts · AI Integration
Repo : https://github.com/Pavank5214/paripoorna
Live Demo : https://paripoorna-s299.vercel.app/

- Developed a construction site management system to track projects, materials, costs, tasks, and daily logs
- Built dashboards with project progress, budget overview, and cost distribution using charts
- Implemented role-based authentication and authorization
- Integrated an AI assistant to query live database data using natural language and provide project insights
- Designed scalable data models to support multiple projects and sites

Billing & Invoicing Management System with AI Automation
React · Node.js · Express · MongoDB · PDF Generation · AI Integration
Repo : https://github.com/Pavank5214/charan
Live Demo : https://charan-6p3w.vercel.app/

- Built a full-stack billing and invoicing system used for real factory operations
- Implemented client, invoice, quotation, expense, and payment management with secure authentication
- Developed PDF invoice and quotation generation with email sharing support
- Integrated AI to extract insights and parse raw invoice/quotation text into pre-filled billing forms
- Designed dashboards to track revenue, paid vs unpaid invoices, and financial summaries
- Structured backend APIs and database models to support scalable business workflows

SKILLS

Programming Languages : Java(DSA & problem solving) , JavaScript

Frontend : React.js , HTML , CSS

Backend & Database : Node.js , Express.js , MongoDB , REST APIs , Authentication & Authorization

Tools & Platforms : Git & GiHub , Vercel , MongoDB Atlas

Concepts : Data Structure & Algorithms , Role-Based Access Control , Payment Workflows , Dashboard & Reporting Systems