BODIREDDY RUDRASENA REDDY

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🔗 LinkedIn | Portfolio | ⌂ GitHub

SKILL

Programming languages : Python(Advanced), Java(Intermediate)
Frontend : HTML5, CSS3, JavaScript, React.js, Tailwind CSS
Backend / APIs: Django, Flask, Fast API, REST API, DOM APIs
Database : MySQL, SQLite, PostgreSQL, MongoDB(NoSQL)
Tools & IDE: Git, GitHub, VS code, PyCharm, Anaconda, Docker
Development Concepts: Agile Methodology, SDLC, Data Structures, MVC Architecture

PROJECTS

CartLite E-Commerce Website (React.js, Tailwind CSS, Node.js, Express.js) (Link)
- Built a modern, responsive e-commerce platform with dynamic product catalog, category management, shopping cart, and newsletter subscription.
- Developed full-stack architecture with Node.js backend and React frontend; implemented RESTful APIs with proper error handling. Integrated mock data for product and category management, ensuring scalable, maintainable codebase.
- Focused on UI/UX, mobile-first design, and high-performance interactive features for seamless user experience.

AI Data Agent – Intelligent Data Analysis Platform (Tailwind.css, Axios, FastAPI, React.js, PostgreSQL, JWT) (Link)
- Developed a full-stack web application that allows users to upload Excel files, clean messy datasets, and analyze them through natural language queries.
- Implemented RESTful APIs using FastAPI with PostgreSQL for database management and JWT authentication with bcrypt for secure login.
- Integrated AI/ML technologies for conversational query processing, automated insights, and dynamic data visualization.
- Built a responsive frontend using React (Vite) and Tailwind CSS, ensuring mobile-first UI/UX and smooth API integration with Axios.

Weather Forecasting Web App (HTML5, CSS3, Node.js,React.js, OpenWeatherMap API) (Link)
- Built a responsive weather application displaying current conditions, AQI, and 5-day forecast.
- Integrated real-time API data, input validation, and error handling for seamless UX.

WhatsApp Web Clone (React.js, Node.js, Socket.IO, MongoDB, JWT) (Link)
- Built a full-stack real-time chat app with WhatsApp-like UI/UX and mobile responsiveness.
- Integrated Socket.IO for instant messaging and JWT authentication with password encryption.
- Used MongoDB Atlas for persistent storage and deployed on Render for scalability.
- Added message status indicators (sent, delivered, seen) for enhanced user experience.
- Designed and deployed a cloud-based, production-ready architecture ensuring high availability and performance.

EDUCATION

Sri Venkatesa Perumal College of Engineering and Technology, Puttur, A.P, India   **2021 - 2025**
- Bachelor of Technology (B.Tech) in Computer Science and Engineering
  CGPA : **8.3**

ACHIEVEMENTS :

- ➢ A 5 Star programmer on Hacker Rank
- ➢ **Top 1 Programmer** in college on GeeksforGeeks
- ➢ Solved 1500+ Problems on Codechef, Geeksforgeeks, Leetcode, Hackrank

COURSE & CERTIFICATIONS :

The joy of computing using python - NPTEL (IIT Kharagpur)	**2023**
Programming in java - NPTEL (IIT Kharagpur)	**2023**
Python & Data structures - University of Michigan	**2022**

CORE STRENGTHS :

UI/UX Design • Good communication • Team Work • Adaptive Learning • Problem Solving • Initiative & Curiosity