

PRASADA

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Professional Summary

Final year Information Science student building full-stack and blockchain applications with React.js, Node.js, MongoDB, and Solidity — including a real-time messaging platform and a blockchain-based pharmaceutical supply chain system. Strong grounding in DSA, OOP, DBMS, and Computer Networks. Looking for a Software Engineering role where I can ship production-quality code and keep learning fast.

Education

BMS College of Engineering, Bengaluru

B.E. in Information Science and Engineering

Sep 2024 – Jul 2027

CGPA: 8.0 / 10

Government Polytechnic College, Lingasuguru

Diploma in Computer Science and Engineering

Jul 2021 – Jun 2024

CGPA: 8.76 / 10

Projects

Real-Time Chat Application

Jan 2026 – Mar 2026

React.js, Node.js, Socket.io, Firebase, Tailwind CSS

- Built a full-stack real-time messaging platform with React.js, Node.js, and Socket.io for bidirectional one-to-one messaging, backed by Firebase authentication
- Implemented a ledger module to track credit/debt balances between users, with real-time state management for presence and active conversations
- Added AI-powered chat assistance and voice/video calling on a responsive Tailwind CSS interface

Blockchain-Based Paracetamol Supply Chain Management System

Ongoing

React.js, Solidity, Ethereum, Ethers.js, MetaMask

- Developing a blockchain-based supply-chain platform using Solidity, Ethereum, React.js, and Ethers.js to enable transparent tracking of drug batches from manufacturer to consumer
- implemented smart contracts for batch registration, ownership transfer, role-based access control, and immutable transaction records, with local testing through Hardhat
- implemented MetaMask wallet authentication and implementing QR-based batch verification to enhance supply-chain security and help prevent counterfeit drugs

Real-Time Traffic Congestion Detection System

Aug 2025 – Oct 2025

Python, YOLOv5, Flask, OpenCV

- Built a full-stack computer vision web application with YOLOv5, Flask, and OpenCV to detect and track vehicles and pedestrians from uploaded videos and live camera feeds
- Implemented a custom SORT-based multi-object tracker with per-vehicle speed estimation and real-time congestion classification (Low/Moderate/High)
- Developed automated congestion advisories, time-ranged event reporting, and REST APIs with Flask Blueprints to support live-camera processing and H.264 video handling

Technical Skills

Languages: C++, Python, Java
Web Development: HTML, CSS, React.js, Nodejs, REST APIs
Databases: MongoDB, MySQL
Core CS: Data Structures & Algorithms, OOP, DBMS, Operating Systems, Computer Networks
Tools & OS: GitHub, VS Code, Windows 10/11, Ubuntu
Cloud & DevOps: AWS, GCP, Docker
Blockchain: Solidity, Ethereum, Hardhat, Smart Contracts

Certifications

- Deloitte Technology Job Simulation – Forage, July 2026
- AI Fundamentals: Foundations for Understanding AI – IBM SkillsBuild
- Full Stack Development – Board Infinity
- Git & Version Control – Infosys Springboard

Extracurricular

- First Prize – Chess Competition, Government Polytechnic College, Lingasuguru