

Balu Pasumarthi

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WORK EXPERIENCE

Medixcy

MERN Stack Intern

Present

- Implemented **role-based authentication** with Firebase, securing Product Management access for Admin and Pharmacy Manager via role code verification.
- Developed a React-based **Product Management page** with Tailwind CSS, supporting medicine CRUD, image uploads, and HSN/GST compliance.
- **Optimized Firestore queries** and Firebase Storage security, reducing API response time by **30%** for scalable, efficient Product Management and Users Feed across **5 key pages**.

EDUCATION

Gayatri Vidya Parishad college of Engineering

Bachelor of Computer Science (AIML) - 8.86

Nov 2022 - March 2026

PROJECTS

Payment Web Application [🔗](#)

- Built a secure payment platform with **JWT authentication** and **two-step email OTP verification**.
- Implemented P2P transactions, **auto-payments**, and balance management for better user experience.
- Integrated an **AI chatbot** for support and transaction history for financial tracking, processing 100+ transactions with 20% fewer failures.

Dine Finder [🔗](#)

- Built a full-featured restaurant listing app with advanced search, dynamic filtering, and **pagination** using React and Axios for efficient data handling.
- Integrated REST APIs for **location, cuisine with image upload, and ID-based search queries**, and designed responsive UI with Tailwind CSS and React Router for smooth navigation

SKILLS

- **Languages:** Java, Python, C, JavaScript, HTML/CSS
- **Frontend :** React.js, Tailwind CSS, Streamlit,
- **Backend :** Express.js, Node.js, MongoDB, MySQL, Flask
- **Developer Tools :** Git, GitHub, Docker, AWS
- **Relevant Courses:** Data Structures, Algorithms, Database Management, Operating System

ACHIEVEMENTS

- Winner of **IIT Kharagpur's Hacktank hackathon** with an innovative AI-powered video proctoring system
- Earned a **1600+ rating** and **3-star rank** on **CodeChef**, demonstrating strong competitive programming and problem-solving skills
- Secured top **1418 rank** in **IICPC's Codefest**, showcasing strong coding and problem-solving skills
- Solved **500+ problems** on **LeetCode, CodeChef, and TakeUForward**, showcasing strong coding skills.

CERTIFICATIONS

- Obtained **Machine Learning Certification** from **GeeksforGeeks**, mastering algorithms, data preprocessing, and model evaluation