

Balu Pasumarthi

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WORK EXPERIENCE

Medixcy

MERN Stack Intern

Present

- Designed and implemented **role-based authentication** using Firebase, ensuring secure access to Product Management via **role code verification**.
- Developed a React-based Product Management page utilizing Tailwind CSS, incorporating features such as medicine **CRUD operations**, image uploads, and HSN/GST compliance.
- Enhanced **Firestore query efficiency** and Firebase Storage security, resulting in a **30% reduction in API** response time for scalable and efficient Product Management and Users Feed.

EDUCATION

Gayatri Vidya Parishad college of Engineering

Bachelor of Computer Science (AIML) - 8.86

Nov 2022 - March 2026

PROJECTS

Payment Web Application [🔗](#)

- Designed a robust payment platform with **JWT authentication** and **two-step email OTP** verification.
- Developed a peer-to-peer transaction system with **auto-payments** and **balance management**.
- Integrated an AI-powered chatbot for seamless support and transaction history tracking.

Dine Finder [🔗](#)

- Developed a comprehensive restaurant listing application leveraging React and Axios for streamlined data management.
- Integrated robust **REST APIs for location, cuisine, and image upload functionality**, while designing a responsive user interface with Tailwind CSS and React Router for seamless 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

- Completed foundational networking concepts through the **Cisco Certified Network Associate (CCNA)** certification.
- Completed core cloud computing principles through the **AWS Academy Cloud Foundations** certification.