

MAYURI BARAPATRE

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Education

Shri Ramdeobaba College of Engineering and Management

Nagpur

B. Tech in Computer Science - CGPA: 9.24

November 2022 – June 2026

Courses: DSA, OOPs, Computer Networks, OS, DBMS, AI, ML, DL

Experience

Hummingbird Web Solutions (July 2026 - Present) — *Software Development Engineer - L2*

- Engineered a guided product configuration workflow using Next.js, React, and Epicor CPQ REST APIs, enabling real-time synchronization of customer selections with enterprise systems and streamlining complex product configuration.

Hummingbird Web Solutions (January 2026 - June 2026) — *Software Development Engineer Intern*

- Developed enterprise-scale web applications using Next.js, React, and TypeScript, delivering **25+** production features aligned with business requirements.
- Integrated OAuth2 authentication with Nginx reverse proxy, enabling secure SSO with **6+** backend services.
- Implemented Server Side Rendering and optimized server-side data fetching, reducing initial page render time by approximately **66%**.
- Designed a centralized API integration layer with shared utilities and a reusable request abstraction, standardizing communication across **20+** REST APIs and reducing duplicate networking logic.

Garage Walle (November 2024 – February 2025) — *Front-end Developer Intern*

- Worked on building the official website featuring **6+** custom automotive-themed components, improving overall UX.
- Designed and produced **20+** marketing visuals for social media, contributing to a **40%** increase in user acquisition.
- Enhanced Play Store creatives, achieving a **20%** growth in app downloads and ensuring visual consistency across digital platforms.

Projects

Medlink – Cloud-Based Smart Healthcare Platform | *NextJS, NodeJS, ExpressJS, MongoDB*

[Website](#)

- Developed a secure EHR platform for doctor–patient interactions, deployed it for **20+** concurrent users ensuring data privacy and integrity.
- Engineered **6+** modules including messaging, AI insights, profiles, and appointment tracking to enhance usability.
- Integrated Gemini API for prescription analysis, leveraging key vitals to improve diagnostic insights by **25%**.

PostPilot – AI-Based Content Automation Tool | *React, Vite, Tailwind CSS, Mistral-7B, JavaScript*

[Website](#)

- Trained an AI model to detect emotion, gender, and age from speech using the CREMA-D dataset and integrated UI.
- Applied Feedforward Neural Network and Random Forest classifier, achieving **92%** accuracy.
- Evaluated model with ANOVA F-score and confusion matrix, improving accuracy by **15%**.

Achievements

Co-authored a **Research Paper** titled 'Eye On Vision: Real-Time Violence Detection in Surveillance Video Using a CNN–LSTM Spatiotemporal Framework' accepted at **IEEE/CTCON**.

[Publication](#)

RSOC Hackathon | GHRCEMN | Winner

[Certificate](#)

Flutter UI Hackathon | Infed, IIM Nagpur | Rank - 02

[Certificate](#)

Leetcode | **Max(1649)**

[LeetCode](#)

- Solved over **600** questions on LeetCode.

Certifications

AWS Certified Cloud Practitioner

[Certificate](#)

Position Of Responsibility

Team Member | GDG RBU | (September 2024 – May 2025)

[Certificate](#)

Technical Skills

Programming Languages Java, Python, JavaScript, SQL, PHP

Technologies/Frameworks NGINX, Linux, Next, React, Node, Git, Magento, Express

Database Management System MySQL, PostgreSQL, MongoDB