

Aryan Jumde

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Education

Shri. Ramdeobaba College of Engineering and Management, Nagpur

Bachelor of Technology in Computer Science and Engineering

2023 – 2027

• CGPA: 8.96/10

• **Coursework:** Data Structures & Algorithms, OOP, DBMS, Operating Systems, Computer Networks

Projects

Medical Inventory Management System (Multi-Tenant SaaS) [\[Link\]](#)

Tech Stack: Node.js, Express.js, Oracle 11g, SQL, EJS, Bootstrap 5, RESTful APIs

- **Engineered** a high-availability, full-stack SaaS platform using **Node.js** and **Express.js** to provide small-scale pharmacies with secure, cloud-based inventory and supplier management.
- **Architected** a multi-tenant database in **Oracle 11g** utilizing **UUIDs** and **custom** database triggers to ensure 100% data isolation and automated stock synchronization.
- **Implemented** secure authentication using **BCrypt** hashing and session-based middleware to enforce role-based access control (RBAC) for sensitive pharmacy records.
- **Developed** a dynamic **RESTful API** frontend with **EJS** and **Bootstrap 5**, delivering real-time dashboards that reduced manual stock monitoring time through proactive "Low Stock" and "Near Expiry" alerts.

GyaanBot – AI-Powered Mobile Chat Assistant [\[Link\]](#)

Tech Stack: Flutter, Dart, BLoC Pattern, Gemini AI API, RESTful APIs, Git

- **Developed** a responsive mobile AI assistant in **Flutter** and **Dart**, providing real-time access to **Large Language Models** via a streamlined user interface.
- **Optimized** application performance by architecting the codebase with the **BLoC**, successfully decoupling business logic from the UI for a highly predictable state.
- **Integrated** the **Gemini AI API** through asynchronous **RESTful** communication and repository patterns to manage seamless data exchange between the client and AI backend.
- Designed a modern chat UI featuring auto-scroll and custom themes, utilizing the flutter bloc package to manage complex real-time message states and UI updates.

Technical Skills

- **Languages:** Java, C, JavaScript, Python, SQL
- **Frameworks & Technologies:** Flutter, Node.js, Express.js, Firebase, REST APIs
- **Databases:** Oracle 11g
- **Tools:** Git, GitHub, Android Studio, VS Code

Certifications

- **Introduction to Microsoft Azure Cloud Services** | Microsoft | [\[Link\]](#)
- **Developing AI Applications with Python and Flask** | IBM | [\[Link\]](#)
- **Foundations of Machine Learning** | [\[Link\]](#)

Achievements

- Solved **200+ DSA** problems on multiple coding platforms