

ROHAN J

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[LinkedIn](#) [◇ Github](#) [◇ Portfolio](#)

WORK EXPERIENCE

CoGuide

April 2024 – Present

- Built **advanced data collection system** with **20+ field types**, validation rules, conditional logic, autofill, and **multilingual speech-to-text** deployed in **ongoing diabetes research** actively **collecting 1 crore+ records** across pan India.
- Developed **project dashboard** adopted by **Karnataka Brain Health Initiative** (NIMHANS & Govt. of Karnataka) with real-time analytics, and progress monitoring.
- Integrated **e-learning module** with interactive content, quizzes, and **automated certificate generation** with digital badges, supporting 1000+ learners across research programs.
- Created **AI assistant** with chatbot interface, global state management, and contextual support for research modules, **reducing user query resolution time by 60%**.
- Led **planner module** with hierarchical tasks, milestones, resource allocation, and **interactive Gantt charts (D3.js)**, managing 100+ concurrent research projects.
- Migrated company website from WordPress to **React (coguide.in)**, delivering **40% faster load times**, improved SEO rankings, mobile responsiveness, and a cleaner UI that **boosted user engagement by 25%**.

SKILLS

Programming Languages	JavaScript, TypeScript, Python, C++
Frameworks	React.js, Node.js, Express.js, Bootstrap, Tailwind CSS
Databases	MongoDB, PostgreSQL, Redis
Tools & Cloud	Git, Docker, AWS (EC2, S3, Lambda, Cloudfront)

PROJECTS

Chat-Agent React.js, Express.js, MongoDB, ChromaDB, Llama 3, Ollama

[Github](#)

- Built **AI-powered platform** for businesses to create **custom chatbots** trained on their data sources using **RAG with ChromaDB and Llama 3**.
- Implemented **7-module system** including agent playground, **analytics**, multi-source data management, and **dynamic action triggers** (APIs, redirects, lead capture).

Discord Clone React.js, Express.js, PostgreSQL, Socket.io, Prisma

[Github](#)

- Built **full-stack real-time communication platform** with **WebSocket messaging**, voice/video channels, JWT authentication, and role-based permissions.
- Implemented **comprehensive server management system** with channel organization, invite system, direct messaging, file sharing, and **responsive UI**.

EDUCATION

- **BMS Institute of Technology and Management** (*Aug. 2019 – June 2023*)
Bachelor of Engineering in Electrical and Electronics, CGPA: 8.21/10

Bangalore, Karnataka