

Rohan Bhoge

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Education

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| BE <i>Artificial Intelligence and Data Science</i> <i>D. Y. Patil College of Engineering, Akurdi, Pune.</i> | 2021-2025 |
| HSC <i>Shri Shanishwar Junior College, Sonai.</i> | 2020-2021 |
| SSC <i>Dnyaneshwar Vidyalay, Kharwandi</i> | 2018-2019 |

Professional Summary

Full Stack Developer and Backend Specialist with expertise in Generative AI and MERN Stack. Currently developing production-level scalable backend systems and AI agents at Bisugen Technologies. Proven track record of integrating RAG-based AI features and building responsive, data-driven web applications.

Technical Skills

- **Languages:** JavaScript, Python, C++ , HTML, CSS
- **Frameworks & Libraries:** ReactJS, NodeJS, ExpressJS, Django, LangChain.
- **AI/Machine Learning:**Generative AI (GenAI), Prompt Engineering, Retrieval-Augmented Generation (RAG)
- **Databases & Tools:** MongoDB, SQL, MongoDB Atlas, ChromaDB, FAISS, Git, GitHub, Postman.
- **Core Concepts:** Object-Oriented Programming (OOP), REST APIs, Scalable Systems.

Professional Experience

Bisugen Technologies Pvt. Ltd. — Backend / Full Stack Developer — Current

- Engineer and maintain scalable backend systems for real-world production projects
- Develop and deploy autonomous AI agents and integrate GenAI features across full-stack applications.
- Collaborate with UI/UX design teams to translate high-fidelity designs into functional digital products.
- Provide technical leadership and troubleshooting support to teammates to resolve complex development issues.
- Mentioned optimizing database queries and API response times.

Projects

QuickCart-ECOM: MERN Stack E-commerce Application

- Architected a full-stack e-commerce platform using MongoDB, Express.js, React.js, and Node.js.
- Integrated secure user authentication, product filtering/sorting, and a dynamic cart management system.
- Ensured 100 percent responsive design across all devices for an optimized user shopping experience.
- Included security implementation via JWT and payment simulation.

[Link]

Fin-Friend: GenAI Financial Guidance Platform

- Developed an AI-powered financial advisor using Python and Streamlit for the Indian market.
- Implemented Retrieval-Augmented Generation (RAG) using LangChain and vector databases (ChromaDB/FAISS) to provide real-time market data analysis.
- Built features for conversational document analysis and personalized investment suggestions using LLMs.
- Added a point about improving accuracy through prompt tuning and hybrid search.

[Link]

VidTube: React-Based Video Streaming Platform

- Built a high-performance video discovery interface using React and modern CSS.
- Implemented dynamic search functionality and a custom video player with seamless playback controls.
- Added performance optimization using React Lazy Loading.
- focusing on API integration and dynamic data handling to further strengthen the technical depth of that project.

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