Nikhil Raj Patel

+91 7052385497   - - nrajp2.0@gmail.com   -   linkedin   -   github

SUMMARY

Aspiring Backend Developer with hands-on experience in Node.js, Express, and MongoDB. Worked on real-time communication using Socket.io and explored vector databases for AI-driven applications. Strong focus on learning, problem-solving, and building reliable server-side solutions.

EDUCATION

Raj School of Management & Sciences   **Varanasi, India**
Bachelor of Computer Applications ; CGPA 6.5   *2023 - 2026*

TECHNICAL SKILLS

Programming & Scripting : JavaScript, Node.js, Express.js
Tools and Platforms: VS Code, PostMan, Git, GitHub
Libraries and Databases: MongoDB, Mongoose, Vector DataBase(Pinecone)
API Development: RESTful APIs, Authentication & Authorization (JWT, bcrypt)
Other Concepts : Database Schema Design, Error Handling, Middleware, AI Memory Integration

PROJECTS

ChatGPT Clone Link
Tech Stack: JavaScript, MongoDB, Mongoose, Pinecone, Socket, Gemini API
- Built backend architecture with **Node.js & Express.js**, managing APIs and database operations.
- Implemented **real-time messaging** using Socket.io for instant communication.
- Integrated **Gemini API** and **Pinecone Vector DB** to enable AI responses with long-term memory.
- Added **authentication, authorization, and error handling** for secure interactions.

AI Chat Bot Link
Tech Stack: React.js, Node.js, Express.js, MongoDB, JWT, CSS
- Developed an **AI-powered chatbot** with secure backend APIs using **Node.js & Express.js**.
- Built **authentication & authorization** workflows using **JWT** for user sessions.
- Designed and managed **MongoDB database** schemas for chat history and user data.
- Integrated frontend (**React.js + CSS**) with backend services to deliver an interactive chatbot UI

ACHIEVEMENTS

- **LinkedIn** Consistently sharing my backend development journey, building digital presence and developer network.