Yogendra Singh Rathod

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EDUCATION

VIT Bhopal University   Bhopal, MP
B. Tech in Computer Science and Engineering | CGPA: 8.68   *Nov 2022 – Present*

Saint John's School   Kota, Rajasthan
12th Board | Percentage: 72.8   *Apr 2020 – Apr 2021*

Saint John's School   Kota, Rajasthan
10th Board | Percentage: 79.6   *Apr 2018 – Apr 2019*

TECHNICAL SKILLS

Languages: Java, JavaScript
Databases: MySQL, PostgreSQL, MongoDB, Redis
Frameworks & Tools: Node.js, Express.js, React.js, Next.js, Moleculer.js, Docker
Backend Concepts: REST APIs, JWT Authentication, WebSocket's, Microservices

PROJECTS

Real-Time AI Medical Voice Agent (Full-Stack SaaS) | Link

Tech: Next.js, React, TypeScript, AssemblyAI, Clerk, Neon DB   *Dec 2025*
 – Built a real-time AI medical voice assistant to process spoken symptoms and generate instant responses
 – Integrated low-latency speech-to-text using AssemblyAI for real-time voice interaction
 – Implemented secure authentication and user management using Clerk.
 – Designed and deployed scalable backend APIs with Neon DB for secure data storage

Edu-Ma / Full Stack Development -> Link

Tech: React.js, Tailwind CSS, Node.js, express.js, ShadCN, MongoDB   *Apr 2025*
 – Developed a full-stack Learning Management System (**Edu-Ma**) enabling instructors to publish and monetize courses while providing students with a secure, engaging learning experience enhancing
 – Engineered a responsive and modern UI with React.js, Tailwind CSS, and ShadCN, featuring light/dark modes and seamless adaptability across mobile, tablet, and desktop devices
 – Implemented robust authentication mechanisms using Firebase Authentication and custom JWT-based session management to safeguard user data and restrict unauthorized access
 – Integrated Cloudinary and Razorpay APIs for optimized media handling (lecture videos, profile images) and secure payment processing, enhancing functionality, scalability and user trust

VideoCon | Full Stack Development -> Link

Tech: React.js, Tailwind CSS, Node.js, express.js, ShadCN, MongoDB, Socket.io   *Jan 2025*
 – Designed and deployed a real-time video chat application leveraging **WebRTC**, delivering low-latency and reliable peer-to-peer one-to-one communication
 – Established a secure authentication and friend management system using **JWT** sessions and role-based access controls, enabling privacy and controlled user connectivity
 – Integrated **Socket.IO** for real-time signaling and configured MongoDB for scalable data management, enabling synchronous chat, profile handling, and friend networks alongside video calls enhancing efficiency

CERTIFICATION

MongoDB Node.js Developers - *MongoDB University* -> Link
 – *Official certification in building applications with MongoDB and Node.js*

EXTRACURRICULAR

 – **Tech Lead**: (*NULL VIT Bhopal Student Chapter*)- Led the planning and coordination of **SECVIT'24** as part of the club, overseeing logistics and participant engagement for **300+** attendees and delivering two high-impact cybersecurity workshops
 – **Coordinator, Cricket team Vice Captain**: Led university-level cultural and major campus events at VIT Bhopal, efficiently managing logistics and coordinating collaborations with **10+ colleges**