

Yogendra Singh Rathod

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Professional Summary

Full Stack Developer specializing in MERN stack (MongoDB, Express.js, React.js, Node.js) with expertise in API design and implementation, backend development, and database management. Skilled in Java, Python, and JavaScript with hands-on experience in containerization using Docker and version control with Git.

Education

Vellore Institute of Technology, Bhopal

Bachelor of Technology, Computer Science and Engineering

Sep 2022 – Present

CGPA: 8.62/10

Saint John's School, Kota

2020 – 2021

12th Boards , CBSE

73%

Saint John's School, Kota

2018 – 2019

10th Boards , CBSE

80%

Relevant Coursework: Object-Oriented Programming, Database Management Systems, Data Structures and Algorithms, Operating Systems, Computer Networks

Research Interests: API Design & Architecture, Backend Development, Full-Stack MERN Development, API Integration, Database Management

Technical Skills

Programming Languages: Java, Python, JavaScript (ES6+), TypeScript, HTML5, CSS3

Frontend Technologies: React.js, Redux, Tailwind CSS, Responsive Web Design

Backend Technologies: Node.js, Express.js, RESTful APIs, MVC Architecture, FastAPI

Databases: MongoDB, SQL

DevOps & Tools: Docker, Git/GitHub, CI/CD Pipelines, JWT Authentication, Bcrypt

Projects

EduMa - Online Learning Platform

Jan 2025

React.js, Node.js, Express.js, MongoDB, Cloudinary, ShadCN, Tailwind CSS

github.com/Yogendrasinghrathod/Edu-Ma

- Developed a full-stack Coursera-style learning platform with 15+ courses, serving 500+ users with secure authentication
- Implemented efficient media handling using Cloudinary for profile images and lecture videos with optimized upload/update controllers
- Built responsive UI with ShadCN components and Tailwind CSS, supporting light/dark modes and mobile devices
- Designed MongoDB schemas for courses, users, and progress tracking, reducing database queries by 40%

VideoCon - Video Chat Application

June 2024

React.js, Node.js, WebRTC, Socket.IO, Express.js, MongoDB

github.com/Yogendrasinghrathod/VideoCon

- Developed a functional video chat application with one-to-one calling capabilities using WebRTC for real-time communication
- Implemented user authentication and friend request system to manage connections between registered users
- Created a responsive interface with React.js that adapts to different screen sizes and devices
- Integrated Socket.IO for real-time signaling and chat functionality alongside video calls
- Set up MongoDB to store user profiles, friend connections, and chat history

Certifications & Achievements

- **MERN Stack Certification** - SmartBridge
Completed intensive training in MongoDB, Express.js, React.js, and Node.js
- **MongoDB for Node.js Developers** - MongoDB University
Official certification in building applications with MongoDB and Node.js (View Certificate)
- **HPE Hackathon 2024**
Selected for final round among 500+ participants
- **HackerRank**
5-star rating in Java (Top 10% of users)