Raj Tomar

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Professional Summary

Full-Stack MERN Developer experienced in building scalable web applications, RESTful APIs, and responsive user interfaces. Skilled in **React.js, Node.js, Express.js, MongoDB** with solid understanding of **Data Structures, Algorithms, OOP, Git, Agile**. Adept at version control, cloud deployment (Vercel), and delivering secure, efficient, and user-centric solutions.

Education

- **Shri Vaishnav Vidyapeeth Vishwavidyalaya (SVVV), Indore**
  B.Tech in Computer Science and Engineering — CGPA: 7.12   2022 – 2026

- **S.D. Prajapati Academy H S School, Indore**
  Higher Secondary School — Percentage: 81.2%   2021

- **Malaw Bharti Bal Mandir High School, Indore**
  High School — Percentage: 80.2%   2018

Projects

AI YouTube Short Video Generator — 🌐 Live Demo   2025
  – Built an AI-based YouTube Shorts generator using **Gemini API**, increasing content speed by **50%**.
  – Implemented SSR + dynamic routing in Next.js reducing load time by **35%**.
  – Enhanced video generation engine achieving **25% faster** rendering.

Task Flow System — 🌐 Live Demo   2025
  – Developed a full-stack **Task Management System** with React, Node.js, Express.js, MongoDB supporting **50+ users**.
  – Implemented **JWT Auth**, role-based access, and secure REST APIs improving security by **60%**.
  – Optimized API latency by **40%** and improved dashboard load time by **30%**.
  – Added real-time task status updates improving Admin–Employee workflow by **35%**.

Virtual Assistant — 🌐 Live Demo   2024
  – Created a smart **Virtual Assistant** supporting 20+ voice commands via Web Speech API.
  – Implemented automation features (weather, search, reminders) boosting accuracy by **45%**.
  – Improved UI responsiveness and animations reducing delays by **30%**.

Skills

- **Languages:** C, C++, Java, Python, JavaScript, SQL
- **Frontend:** HTML, CSS, React.js, Next.js, Tailwind CSS
- **Backend:** Node.js, Express.js, REST APIs
- **Databases:** MongoDB, MySQL
- **Tools:** Git, GitHub, VS Code, Postman
- **Soft Skills:** Teamwork, Leadership, Problem Solving, Communication

Certifications

- Cloud Computing – **NPTEL**, 2024
- Database Management System – **NPTEL**, 2024
- Data Science for Engineering – **NPTEL**, 2025