RAJ TOMAR

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Professional Summary

Full-Stack Developer (MERN) skilled in building scalable web applications, REST APIs, and responsive user interfaces. Proficient in **React.js, Node.js, Express.js, and MongoDB** with strong knowledge of **data structures, algorithms, and OOP**. Experienced in **Agile** development, version control (Git), and deploying applications on **Vercel**. Passionate about developing secure, efficient, and user-focused 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

Task Flow System — MERN Stack   2025
- Designed and developed a full-stack **Task Management System** using React.js, Node.js, Express.js, and MongoDB supporting **50+ users**.
- Implemented **JWT Authentication**, role-based access, and secure REST APIs improving system security by **60%**.
- Optimized API response time, reducing task processing latency by **40%** and improving dashboard load time by **30%**.
- Integrated real-time status updates enabling Admin-Employee communication efficiency to increase by **35%**.

AI YouTube Short Video Generator — Next.js   2025
- Built an AI-powered platform generating automated YouTube Shorts using **Gemini API**, improving content creation speed by **50%**.
- Implemented **server-side rendering (SSR)** and dynamic routing in Next.js reducing initial load time by **35%**.
- Enhanced video rendering pipeline resulting in **25% faster** generation and reduced backend load.

Virtual Assistant — HTML, CSS, JavaScript   2024
- Created a smart **Virtual Assistant** supporting 20+ voice commands using the Web Speech API for speech-to-text and text-to-speech.
- Implemented task automation (search, time, weather, open apps) increasing user interaction accuracy by **45%**.
- Improved UI responsiveness and added animated transitions, reducing interface delays by **30%**.

Skills

- **Programming Languages:** C, C++, Java, Python, JavaScript, SQL

- **Frontend:** HTML, CSS, React.js, Next.js, Tailwind CSS

- **Backend:** Node.js, Express.js, REST API

- **Databases:** MongoDB, MySQL

- **Tools & Platforms:** Git, GitHub, VS Code

- **Soft Skills:** Problem Solving, Teamwork, Communication, Leadership, Adaptability, Time Management

Certifications

- Cloud Computing – **NPTEL**, 2024

- Database Management System – **NPTEL**, 2024

- Data Science for Engineering – **NPTEL**, 2025