Raj Sharma

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PROFESSIONAL SUMMARY

Full Stack Developer specializing in AI-powered web applications, scalable REST APIs, and real-time systems. Expertise in MERN stack, Next.js, and OpenAI integration. Built production-grade tools including AI mock interview platforms, resume builders with ATS scoring, and conversational AI systems. Proven track record advancing from intern to full-time developer with ownership of critical production modules.

TECHNICAL SKILLS

Languages: JavaScript, TypeScript, Node.js, HTML5, CSS3, SQL
Frameworks & Libraries: React, Next.js, Express.js, MongoDB, Mongoose, Tailwind CSS
AI & Integration: OpenAI API, Function Calling, WebRTC, Speech-to-Speech AI, Prompt Engineering
Tools & Platforms: Git, GitHub, REST APIs, Serverless Functions, Vercel, Agile/Scrum
Specializations: Full Stack Development, AI Integration, Real-time Communication, Payment Gateways

PROFESSIONAL EXPERIENCE

Full Stack Associate — April 2025 – Present
Ivy Professional School (IVY Knowledge Services) — *Kolkata, West Bengal*

- Lead development and maintenance of production systems including Live Mock Interview platform and Resume Scoring System, ensuring 99%+ uptime and optimal performance
- Architected and integrated payment gateway solutions, processing transactions securely while optimizing backend infrastructure for scalability
- Spearheaded UI/UX enhancements across platforms resulting in improved user engagement and system responsiveness
- Collaborated with cross-functional teams in Agile environment, delivering features on-time through sprint planning and code reviews

Full Stack Intern — September 2024 – March 2025
Ivy Professional School (IVY Knowledge Services) — *Kolkata, West Bengal*

- Developed AI-powered chatbot using Node.js, Next.js serverless functions, and OpenAI API to handle 1000+ student queries with contextual understanding
- Built intelligent quiz system with dynamic MCQ generation and personalized feedback using AI, improving student learning outcomes
- Implemented secure document upload features with encryption and validation, handling sensitive student data in compliance with security standards
- Contributed to MVP development of Resume Builder with ATS scoring algorithm and Speech-to-Speech Mock Interview system using WebRTC

KEY PROJECTS

Meera Clinic - AI Appointment Assistant — Personal Project

- Built end-to-end conversational AI assistant using OpenAI function calling for automated appointment scheduling and patient interaction
- Integrated real-time speech-to-speech capabilities using WebRTC, enabling natural voice-based interactions
- Designed scalable backend with Node.js and MongoDB to manage appointments, patient records, and scheduling logic

Backend Systems for Astrology & Finance — Freelance

- Developed RESTful APIs for astrology consultation platform with user authentication, session management, and payment processing
- Built workflow automation tools for finance applications, reducing manual processing time by 60%

EDUCATION

Keshav Mahavidyalaya, University of Delhi — Delhi, India
Bachelor of Science (Hons) in Computer Science — *Graduation: 2024*

CERTIFICATIONS

Front End Development - CSS | Front End Development - HTML | CSS Tutorial | HTML Attributes and Tags