

AYUSH SINGH

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PROFESSIONAL SUMMARY

Full Stack Developer with expertise in building high-performance web applications using Next.js and MERN stack. Proven track record in integrating AI/LLM workflows and optimizing backend architecture. Passionate about scalable systems, cloud deployments, and delivering user-centric solutions.

TECHNICAL SKILLS

- Programming:** JavaScript (ES6+), TypeScript, Python
- Frontend:** React.js, Next.js, Tailwind CSS, Shadcn UI, Redux Toolkit
- Backend:** Node.js, Express.js, REST APIs, WebSockets
- Database:** MongoDB, PostgreSQL (Prisma/Drizzle)
- DevOps & Tools:** Git, Docker, AWS (EC2/S3), CI/CD Pipelines
- AI/ML Integrations:** Google Gemini API, ImageKit, OpenAI API

EXPERIENCE

- Full Stack Developer** | Uncodemy Remote | Apr 2025 – Nov 2025
- Migrated legacy codebase to Next.js, resulting in a **25% reduction** in page load times and improved SEO ranking.
 - Engineered scalable RESTful APIs and implemented Redis caching, optimizing data retrieval speed for high-traffic endpoints.
 - Collaborated in an Agile environment to set up **CI/CD pipelines** using GitHub Actions, reducing deployment time by **40%**.
- Full Stack Developer** | PearlThoughts Remote | Jul 2024 – Dec 2024
- Led the end-to-end development of *Prescripto*, a doctor-patient management system using the MERN stack.
 - Implemented JWT Authentication and **Role-Based Access Control (RBAC)**, securing sensitive patient data.
 - Optimized frontend rendering cycles and API response structures, reducing user bounce rate by **12%**.

PROJECTS

- QuickGPT (AI Content SaaS)** Live | GitHub
- Tech Stack:* React.js, Node.js, Gemini API, Razorpay
 - Engineered a generative AI platform utilizing **Google Gemini API** for dynamic content creation, optimizing prompt response latency by **20%**.
 - Implemented a credit-based architecture with **Razorpay Webhooks** to handle secure, real-time transaction verification.
 - Developed robust backend middleware for **API Rate Limiting** and input validation to prevent system abuse.
- Resume Builder (AI Document Tool)** Live | GitHub
- Tech Stack:* React.js, Node.js, ImageKit, MongoDB
 - Built an interactive editor with **Live Preview** functionality using optimized React State management to handle complex inputs.
 - Integrated **ImageKit's transformation APIs** for automated background removal and high-speed CDN delivery of user images.
 - Designed secure REST endpoints with **MongoDB indexing**, reducing data retrieval time for user-specific templates.
- Prescripto (Healthcare Portal)** Live | GitHub
- Tech Stack:* React.js, Node.js, Express.js, MongoDB, Razorpay
 - Architected a comprehensive healthcare portal with **Role-Based Access Control (RBAC)** to segregate Patient, Doctor, and Admin workflows.
 - Orchestrated dual-payment gateway integration (Stripe & Razorpay) ensuring **idempotent transactions** for reliable bookings.
 - Optimized backend query performance by **40%** through efficient database schema design and **server-side caching**.

EDUCATION

- B.Tech in Electronics and Communication Engineering** CGPA: 7.57
- Chandigarh Engineering College, Mohali, Punjab Aug 2020 – Jun 2024