

# 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**

Chandigarh Engineering College, Mohali, Punjab

CGPA: **7.57**

Aug 2020 – Jun 2024