

Shubham Nagar

+91 9783968234 | shubhamnagar234@gmail.com
in [shubhamnagar234](#) | [shubhamnagar234](#) | [shubhamnagar234](#)

PROFESSIONAL SUMMARY

I'm a Full Stack AI Engineer with 3+ years of experience building production-ready web apps and AI-powered features. My day-to-day work spans LangChain RAG pipelines, Next.js frontends, and Node.js backends — and I genuinely enjoy the full picture, from designing a clean API to fine-tuning a retrieval strategy. I care a lot about code quality and building things that actually hold up at scale.

SKILLS

Programming Languages: C, C++, JavaScript, TypeScript, Python
Frontend: React, Next.js, HTML, CSS, Bootstrap, Tailwind, Framer Motion, GSAP, Three.js, React-three-fiber
State Management: Redux Toolkit, Zustand, TanStack Query (React Query)
Backend: Node.js, Express, FastAPI
AI & Vector: LangChain, LangGraph, Pinecone, Qdrant, ChromaDB, OpenAI Embeddings, RAG Pipelines
Database: MySQL, PostgreSQL MongoDB
Mobile App Development: React Native
UI Libraries: Shadcn UI, Material UI
Object-Relational Mappers (ORMs): Prisma, Drizzle
Developer Tools: Git, VS Code, Postman, Docker, Cursor, Claude Code, Google Antigravity

EXPERIENCE

Software Engineer

3I Academy Solutions Pvt. Ltd

April 2023 – Present

Tirunelveli, Tamil Nadu, India

3I Academy Solutions Pvt. Ltd. is an EduTech fast growing startup company, undertaking big efforts to build AI (Artificial Intelligence) driven apps for the education world.

- **Auth & Access Control:** Built a 4-role RBAC system (Admin, School, Teacher, Student) from scratch — currently live across 10+ schools and 1000+ students, with secure onboarding and role-specific access across every module.
- **AI Chatbot & RAG Integration:** Designed and shipped a context-aware chatbot using LangChain, Pinecone, and OpenAI embeddings - returning relevant course content in under 3 seconds, so students get grounded answers instead of generic GPT responses.
- **Payment Integration:** Integrated Razorpay end-to-end for subscriptions and one-time payments, processing 1,000+ transactions across 10+ paid school plans, including webhooks, order management, and invoice tracking.
- **API Security:** Secured API communication using CryptoJS for encryption and decryption of sensitive payloads, enforcing HTTPS standards and secure headers to ensure data integrity and confidentiality during transmission.
- **Interactive Animations:** Built 1,500+ GSAP animations covering grades 6 to 12 across 5+ subjects and 10+ chapters each - visually explaining complex concepts to improve student understanding across devices.
- **Cross-Functional Collaboration:** Collaborating closely with designers, product managers, and developers to define requirements, refine user journeys, and deliver high-quality, AI-driven educational solutions aligned with stakeholder expectations.

Frontend Web Developer Intern

TCR Innovation

Jul. 2022 – Sept. 2022

Mumbai, Maharashtra, India

- **Responsive Development:** Built responsive web pages using HTML, CSS, and JavaScript, ensuring cross-browser compatibility, optimized performance, and user experience through layouts and adaptive design principles.
- **UI Development:** Gained experience developing reusable UI components to create dynamic user interfaces, managing state, props, and component lifecycles for front-end architecture.
- **Code Optimization:** Improved debugging and code structuring skills by refining UI workflows, readability, performance, and implementing practices for cleaner, maintainable codebases.

EDUCATION

Swami Keshvanand Institute of Technology, Management & Gramothan,

Bachelor of Technology in Computer Science & Engineering (Honours), CGPA: 9.09

Jaipur, Rajasthan

Aug. 2019 – Jun. 2023