

Shivam Kumar Rai

☎ +917903023412 ✉ shivamkumarroy98@gmail.com in LinkedIn 🐙 Github

About Me

Software Engineer with 1.7 years of experience in Full-stack development, specializing in React.js, Next.js, Angular, and TypeScript. Experienced in building scalable, user-friendly applications and collaborating with clients to deliver tailored solutions. Passionate about AI-driven applications and cloud technologies .

Work Experience

Software Engineer | CG Infinity

July 2023 – Present

- Developed and Optimized UI features for a Texas(USA) based Security Agency using Nuxt.js, enhancing user experience and performance. Collaborated directly with clients through daily calls to gather requirements, ensuring alignment with business needs and feature enhancements.
- Designed reusable components that increased development efficiency and reduced front-end bugs by 15%.
- Built a custom RAG (Retrieval-Augmented Generation) chatbot for querying organizational data, using Python, Angular, OpenAI, Flask, Ngrok and AWS EC2.

SDE Intern | CG Infinity

Apr 2022 – July 2023

- Led front-end development of Amnis, an automation tool, using Angular, TypeScript, and Twilio, enhancing scheduling efficiency. Designed and improved its interface ensuring responsive design for seamless user experience across devices.
- Designed workflow automation features, increasing task execution speed by 25%.

Technical Skills

- Languages: Python, Javascript, Java, Typescript
- Frontend Development: React.js, Next.js, Angular, Redux, Rxjs, Context API
- Backend Development: Node.js, Express.js, REST API, GraphQL API
- Cloud/Databases: Postgres, Azure App Service, Docker, Kubernetes, Rabbit MQ, CI/CD

Projects

Frontendace – Peer-Reviewed Coding Challenges Platform

[Demo](#) [↗](#)

- Developed a coding platform where users can solve challenges and submit them for peer review. Implemented a peer approval system, where approved challenges are marked complete, and users earn scores.
- Enabled community interaction through challenge posting, commenting, and upvoting.
- Tech Stack: Next.js, Node.js, PostgreSQL, Drizzle ORM, JWT, Shadcn UI, Context API

Skill GPT – AI Powered Learning Platform

[Demo](#) [↗](#)

- Created a web app that allows users to input learning topics, with AI-generated chapters and subtopics for structured learning. Features include AI-powered conversations for additional information, progress tracking via chapter completion, and Razorpay integration for purchasing credits.
- Tech Stack: Angular 15, Node.js, Typescript, Razor Pay, Open AI, Tailwind CSS

Education

Chandigarh University • Mohali, Punjab (India)

Aug 2021 – July 2023

Masters of Computer Applications with Specialization in AI&ML

- CGPA: 8.14/10.0

Certificates

- Azure Data Fundamentals: DP-900