

# Nishant Rajput

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## SUMMARY

Software Engineer with 3 internships and 2 freelance products, currently building RAG pipelines and LLM workflows at Hortiprise. Published Kryptit, an open-source AES-256-GCM encryption SDK on npm.

## EDUCATION

2023 – 2027    B.Tech(Computer Science Engineering), Bundelkhand University, Jhansi [GPA: 8.05/10]

## WORK EXPERIENCE

**SDE Intern – Hortiprise.com** Mar 2026 – Present

- Built AI-powered applications using Expo, FastAPI, LangChain, and LangGraph, developing multi-step LLM workflows and production-ready backend services.
- Engineered Retrieval-Augmented Generation (RAG) pipelines and vector-search systems to enable context-aware question answering and intelligent information retrieval.

**App Developer Intern – Frequer** June 2025 – Dec 2025

- Refactored key modules using TanStack Query, resulting in a 25% reduction in unnecessary re-renders and a smoother user experience.
- Collaborated through code reviews and async discussions, incorporating feedback from senior engineers to ship features with minimal defects.

**Web Developer Intern – Virtual Lab, IIT Kanpur** Mar 2025 – May 2025

- Built and maintained interactive simulation modules for Dairy Technology Lab experiments.
- Optimized animation and DOM updates, reducing page interaction latency by approximately 70% and improving experiment completion smoothness.

## PROJECTS

**Kryptit — Open Source Encryption SDK** [NPM Package](#)

- Built and published an open-source TypeScript SDK for field-level encryption using AES-256-GCM, enabling secure handling of sensitive backend data.
- Implemented authenticated encryption/decryption, nested object traversal, array support, and CLI-based key generation with a developer-first API design.

**Explore Bundelkhand — Travel Discovery App** [*Freelance*] [Explore Bundelkhand](#)

- Designed, developed, and deployed an end-to-end mobile application using React Native with a Node.js, Express, and MongoDB backend.
- Owned and maintained 20+ REST APIs, handled deployment, and ensured smooth production performance for 30+ active users.

## SKILLS

|                 |                                                                                   |
|-----------------|-----------------------------------------------------------------------------------|
| Languages       | HTML • CSS • C/C++ • JavaScript • TypeScript • Python                             |
| Core CS         | DSA [Leetcode Rating - 1574] • OOP • DBMS • Operating Systems • Computer Networks |
| Frameworks      | React.js • Next.js • React Native • Expo • Capacitor                              |
| Frontend        | TanStack Query • Zustand • Redux • Tailwind CSS • Three.js                        |
| Backend         | Node.js • Express.js • FastAPI • REST APIs • Firebase • WebSockets                |
| Databases       | PostgreSQL • MongoDB • Redis • SQL                                                |
| AI / LLM        | LangChain • LangGraph • RAG Pipelines • Vector Databases • Prompt Engineering     |
| DevOps / Cloud  | Docker • AWS (EC2, S3) • Linux • CI/CD Basics                                     |
| Developer Tools | Git • GitHub • GitLab • Postman • Chrome DevTools                                 |

## EXTRACURRICULAR ACTIVITY

- GeeksforGeeks Campus Lead (2025) — Led DSA and problem-solving sessions for 100+ students.
- App Facilitator Lead, Google Developer Groups (GDG) — Mentored students on Android and React Native basics.
- Winner, Prastuti Hackathon 2025 — Bundelkhand University, Jhansi (Among 30+ finalist teams).
- Runner-up, Innovathon 2024 — DST TEC.
- Finalist, Sustainathon 2025 — Sharda University, Noida.