

RAJEEV NANDAN DAMARLA

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B.Tech Computer Science & Engineering candidate (CGPA: 9.27/10) specializing in Full-Stack Web Development, Next.js frameworks, and interactive Web3D interfaces. Highly experienced in engineering performance-critical frontends, integrating secure backend APIs, and implementing production-grade micro-animations (GSAP, Framer Motion, Three.js) through a portfolio of custom SaaS solutions and freelance projects. Expert in React.js, TypeScript, Node.js, and Tailwind CSS. Seeking a Web Development / Full-Stack internship to deliver modern, high-impact digital products.

EDUCATION

GITAM University – School of Technology

2023 – Present

B.Tech in Computer Science & Engineering – CGPA: 9.27/10 (Expected Graduation: May 2027 – Kolkata Resident)

TECHNICAL SKILLS

Front-End Development: React.js, Next.js (App Router), TypeScript, JavaScript (ES6+), HTML5, CSS3, Tailwind CSS, WebGL, Three.js, GSAP (ScrollTrigger), Framer Motion, Figma (UI/UX Design)

Back-End & Databases: Node.js, Express, FastAPI, Python, SQL (MySQL, SQLite), MongoDB, Firebase, RESTful APIs, WebSockets

Deployment & Developer Tools: Git, GitHub, Vercel, Netlify, Docker, Linux, CI/CD, PostCSS, Autoprefixer

EXPERIENCE

Independent Full-Stack & Web Developer

September 2025 – Present

Freelance / Self-Employed – Custom Web & SaaS Solutions

Kolkata, India

- Engineered premium corporate web applications and automated candidate intake portals, deploying seamlessly on Vercel
- Developed multi-step registration forms with real-time state validation, storing structured applicant profiles in custom databases
- Designed live bento-grid administrative dashboards equipped with real-time candidate search and multi-parameter filtering
- Deployed custom REST APIs using FastAPI and Node.js microservices to connect secure frontend modules with backend databases

Generative AI Research Intern 🌟 Certificate

June 2025 – August 2025

Indian Institute of Technology, Kanpur – Deep Learning & Vision Research Group

Kanpur, India

- Optimized front-end model serving interfaces, achieving a 22% reduction in latency through batching and pipeline refactoring
- Built empirical testing interfaces in React to visually compare model performance and prompt behaviors across multiple architectures
- Processed and validated high-dimensional image datasets to ensure end-to-end pipeline reproducibility

WEB DEVELOPMENT PROJECTS

Interactive Web3D Portfolio Website (Next.js & Three.js) 🗑️ Project

Oct 2025 – Dec 2025

- Developed a premium, production-ready editorial portfolio website using Next.js 15, TypeScript, and Tailwind CSS
- Implemented high-performance scroll-scrubbing hero animations utilizing ImageBitmap video frame extraction (90 frames)
- Designed an interactive 3D particle background in WebGL using Three.js with fluid, mouse-movement-responsive physics
- Engineered smooth scrolling behaviors and spring-eased cursor tracking elements using GSAP ScrollTrigger and Framer Motion

Candidate Intake & Automated Dashboard (Full-Stack) 🗑️ Project

May 2026

- Built a responsive corporate portal for candidate registration featuring a multi-step form and drag-and-drop file upload
- Designed a custom recruiter dashboard displaying live statistics, instant fuzzy search, and multi-parameter filter controls
- Integrated clean local storage and mock database states to ensure robust, state-persistent frontend operations on Vercel

Insight GPT (Full-Stack AI Application) 🗑️ Project

Oct 2025 – Dec 2025

- Designed a semantic document-search web app integrating a custom vector database (FAISS) with a frontend chat interface
- Structured data ingestion pipelines handling 500+ high-volume PDFs, cutting query response latency by 35% via caching
- Utilized Python to clean, pre-process, and extract high-quality embedding vectors from text

RESEARCH CONTRIBUTIONS & OPEN SOURCE

- Open-Source Component Engineering:** Actively build and contribute reusable UI components using Tailwind CSS and Framer Motion.
- Technical Documentation:** Write thorough README guides and API documentations to support developer onboarding and code reproducibility.

CERTIFICATIONS

Certifications available at: <https://github.com/Rajeev91691/Certifications>