

AVINASH KUMAR JHA

+91-9811525897 | avinash2002a@gmail.com | avinashjha.space | linkedin.com/in/avinash-jha-201459257

EXPERIENCE

Full Stack Engineer

Mar 2025 – Present

thinkinteraction.in

Remote

- Designed and implemented a microfrontend architecture using RequireJS, React, and Vite, enabling modular applications with cross-widget drag-and-drop, notifications, and inter-widget communication.
- Built scalable APIs with NestJS + TypeScript, integrating automated tests to prevent regressions and improve production reliability.
- Delivered a high-performance Remix frontend (SSR + CSR), improving TTFB, SEO, and reducing redundant re-renders via optimized caching and state management.
- Introduced a monorepo with shared logic packages, streamlining development and accelerating feature rollout.
- Automated GCP VM deployments using Bash, Docker, and SSH, cutting manual deployment time by 60% and reducing costs by 20%.

Full Stack Engineer

Jan 2024 – Mar 2025

Stackkaroo

Remote

- Developed full-stack projects across diverse tech stacks (Next.js, MERN, Django-React, Flask-Jinja, PHP) adapting quickly to client requirements.
- Built a WebGI-based 3D jewelry configurator boosting engagement and conversions.
- Created a JS-based Fixed Deposit calculator to compare RBI rates, improving user decision-making.
- Reviewed code, coordinated with other developers, and enforced code quality standards.
- Built interactive 3D room tours using React Three Fiber, Drei, and Three.js for real estate and interior design clients.

Frontend Developer (Intern)

Aug 2023 – Jan 2024

Stackkaroo

Remote

- Built a custom static website for a bank foundation with GSAP animations.
- Integrated Strapi and Concrete CMS to streamline content workflows.

EDUCATION

Dr. Akhilesh Das Gupta Institute of Technology

2022 – 2026

Bachelor of Technology (B.Tech), Information Technology

Delhi, India

SKILLS

Programming: JavaScript, TypeScript, Python, Bash, C, C++, GLSL

Frameworks: Next.js, NestJS, Remix.js, Redux.js, Three.js, TypeORM, Mongoose, Prisma, Vite, FastAPI, Flask, Django

Tools: Git, Docker, Linux, GCP, AWS, GitHub Actions, MySQL, MongoDB, PostgreSQL

AI: MCP, Acli

PROJECTS

Imaginary Storage – Cloud Storage Platform

[GitHub](#)

- Designed and built a provider-agnostic cloud storage platform where users have full control over file upload, preview, sharing, and deletion.
- Integrated AWS and GCP options for storage backends, giving users flexibility and cost efficiency.
- Developed a highly interactive and responsive web UI to deliver a smooth user experience.

MeloSynthiaAI – AI-powered Music Composition (Hackathon Award Winner)

[GitHub](#)

- Built an ML-driven system capable of generating music based on genre, instruments, and user prompts.
- Created a pipeline to package and sell generated tracks as digital artifacts, demonstrating real-world product potential.

Neural Network RL with Genetic Algorithms – Evolutionary Neural Network Trainer

[GitHub](#)

- Implemented a reinforcement learning simulation where multiple cars evolve generation by generation to navigate obstacles.
- Developed a custom neural network editor with configurable layers, activation functions, and nodes.
- Used genetic crossover and mutation techniques to improve each generation's performance, achieving emergent intelligent driving behavior.