

NITESH AGARWAL

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EDUCATION

Dr. Akhilesh Das Gupta Institute of Professional Studies

Bachelor of Technology in Computer Science Engineering

New Delhi, India

Expected May 2028

- **Relevant Coursework:** Data Structures & Algorithms, Operating Systems, DBMS, AI/ML, Computer Networks.
- **Achievements:** Winner @ IIT Delhi Tryst '25 (Technowar), 3x Hackathon Champion.

TECHNICAL SKILLS

Languages: JavaScript (ES6+), TypeScript, Python, C++, SQL, HTML5, CSS3

Frontend: React 19, Next.js 15, React Native, Tailwind CSS 4, Redux, Framer Motion

Backend: Node.js, Express, PostgreSQL (NeonDB), MongoDB, Prisma, Drizzle ORM, Docker

AI/ML: OpenAI API, LangChain, YOLOv4, TensorFlow, OpenCV, RAG Pipelines

Tools: Git/GitHub, Vercel, AWS, Figma, Clerk Auth, Stripe, CI/CD

ENGINEERING PROJECTS

TalentSphere | React 19, Node.js, Stream SDK, Monaco Editor

- Engineered a collaborative code execution environment using **Piston API**, enabling distinct runtime support for 5+ languages with **<200ms execution latency**.
- Orchestrated high-fidelity video conferencing and real-time chat using **Stream SDK**, reducing reliance on external tools.
- Constructed a custom VS Code-like editor using **Monaco**, increasing session retention time by **35%** during beta.

Mirai | Next.js, Python, LangChain, OpenAI, Google Cloud

- Built an AI marketing automation agent integrating **12+ APIs** (LinkedIn, Instagram) to handle posting, scheduling, and analytics, reducing manual workflows by **80%**.
- Deployed intelligent customer support chatbots using **LangChain** that autonomously resolve user queries.
- Incorporated **Razorpay** payment gateway for seamless subscription management and secure processing.

Tastify | React Native, Expo, Drizzle ORM, TheMealDB

- Designed a fluid, "Spotify-style" mobile UI with 8 dynamic themes, improving user engagement metrics by **25%**.
- Optimized local caching using **TanStack Query**, reducing network requests by **40%** and ensuring offline access.
- Formulated complex search algorithms and secure authentication via **Clerk** for personalized user experiences.

The Weekly Build | Next.js, React, Open Source Initiative

- **Bias for Action:** Successfully shipped **19 distinct builds** (14 Small, 4 Features, 1 Major) in a 2-week sprint.
- Documented the entire engineering journey publicly, building a developer community and validating features in real-time.

PROFESSIONAL EXPERIENCE

The Campus Chronicles

Graphics Head & Creative Lead

New Delhi, India

Aug 2025 – Present

- Lead a cross-functional design team of 5 members, overseeing visual assets that increased social impressions by **200%** QoQ.
- Standardized brand identity guidelines, reducing design revision cycles by **30%** through improved modularity.
- *Previously:* Graphic Designer (Sep 2024 – Jul 2025)

Echelon Mediaa

Graphic Designer Intern

New Delhi, India

Oct 2025 – Dec 2025

- Delivered high-conversion UI prototypes and ad creatives, contributing to a **15% increase** in CTR for client campaigns.
- Accelerated asset delivery speed by **2x** by creating reusable component libraries in Figma and Canva.

ACHIEVEMENTS

Hackathons: 3x Winner & 5x Finalist (ParanoX 2.0, CipherHunt, Vihaan)

Publications: Author of "Finding Myself in the Lies" (Self-Improvement/Philosophy)

Community: Active Open Source Contributor & Mentor for Junior Developers