Tanmay Gupta

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EDUCATION

- **Netaji Subhas University of Technology (NSUT)** — Delhi, India
  Bachelor of Technology in Information Technology; Minor in Network Security — *Aug 2023 - Present*
  Relevant Courses: *Data Structures & Algorithms, DBMS, Operating Systems, Computer Networks*

SKILLS SUMMARY

- **Languages:** JavaScript, Python, Java
- **Web:** React, Next.js, Tailwind CSS, Express.js, Node.js, REST APIs, FastAPI
- **Tools:** Firebase, Figma, Git
- **Fields:** Full Stack Development, Generative AI

EXPERIENCE

- **API.market (MagicAPI Inc)** — Remote
  Software Engineer Intern – Summer (Full-Time) — *JUN-JULY 2025*
  - **Collaborative Development**: Worked closely with the backend and product teams to design and implement key features in a production-grade API marketplace.
  - **Frontend Engineering**: Built and optimized React components for user-facing dashboards with **Tailwind CSS** and **Next.js**.
  - **API Integration**: Integrated REST APIs for marketplace features, enhancing developer onboarding and third-party integration.
  - **Performance Optimization**: Improved rendering performance and reduced page load time using dynamic imports and client-side caching techniques.
  - **Version Control & Agile**: Contributed in Agile sprints, managing work via GitHub Projects and participating in peer code reviews.

PROJECTS

- **PrepX**: AI-powered tech interview preparation platform.
  - **Quiz Engine**: Designed topic-wise and difficulty-based quizzes covering data structures, algorithms, and system design.
  - **AI Resume Review**: Integrated AI models to provide detailed resume feedback and improvement suggestions.
  - **Progress Tracking**: Implemented performance analytics dashboard with skill-wise breakdown.
  - **Authentication & Data**: Used Googlr OAuth and MongoDB for secure user data storage and quiz tracking.
  - **UI/UX**: Built a clean, mobile-first interface using **React** and **Tailwind CSS** with Figma prototypes.
  - **Scalability**: Architected backend for high concurrency to handle thousands of simultaneous quiz attempts.

- **NFT Ticketing Platform**: Decentralized platform for NFT-based event ticketing with full-stack blockchain integration.
  - **Blockchain Integration**: Integrated **Ethereum** smart contracts with **MetaMask** for secure transactions.
  - **NFT Minting**: Utilized **IPFS** and **Pinata API** to mint and store NFT tickets in a decentralized manner.
  - **Authentication & Data**: Used **Firebase** for login, authorization, and event data management.
  - **UI/UX**: Created a seamless booking flow with a user-friendly interface in **React** and **Figma**.
  - **Security**: Ensured transparent, tamper-proof ticketing using blockchain's immutability.

- **PokeAPI Explorer**: Responsive single-page app for exploring Pokémon data using PokeAPI.
  - **API Integration**: Fetched and displayed live data from **PokeAPI** using **Axios** and async functions.
  - **User Interface**: Built a search bar, filter system, and dynamic routing using **React Router**.
  - **Performance**: Added pagination and lazy loading of images to improve performance.
  - **PWA Support**: Enabled Progressive Web App functionality using service workers and manifest.json for installability and faster load.
  - **Offline Support**: Implemented caching strategies to serve previously viewed Pokémon data even when offline.
  - **Styling**: Designed using **Tailwind CSS** with mobile-first responsiveness.

- **CampusX Portal**: Full-stack platform for managing and distributing academic resources.
  - **Authentication & Roles**: Used **Next Auth** to create role-based access control (RBAC) for admin, student, and faculty users.
  - **Data Management**: Integrated PostgresSQL NeonDB to store announcements, files, and course content.
  - **Upload System**: Implemented secure file upload and listing using Firebase Storage.
  - **UI/UX**: Figma-designed, Tailwind CSS-styled, fully responsive dashboard with navigation and notifications.
  - **Scalability**: Designed architecture with scalability in mind for multi-department or university-wide use.

CERTIFICATIONS

- **Google Professional Cybersecurity Certificate**: Gained expertise in security operations, risk management, encryption, and threat detection. Hands-on experience with SIEM tools and vulnerability assessment.

- **Google AI Essentials**: Covered AI fundamentals, including machine learning and prompt engineering. Learned to craft effective prompts to optimize AI responses.