Nainsi Gupta

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Education

B.Tech. in Computer Science and Engineering   2022-2026

VIT Bhopal University | CGPA: 8.48/10

Technical Skills

Frontend: HTML5, CSS3, React.js, Bootstrap, Tailwind CSS
Backend: Node.js, Express.js, MongoDB, PostgreSQL
Languages: C++, Python, JavaScript, SQL
AI/ML & Data Science: Pandas, NumPy, Scikit-learn, Seaborn, Feature Engineering, Agentic AI, NLP
Concepts: Data Structures & Algorithms (DSA), RESTful API Design, OOPS
Tools & Platforms: Git, GitHub, VS Code, Supabase, Vercel, Render, AWS, Jupyter Notebook

Internship

Software Development Engineer Intern | Bluestock Fintech (Remote)   Jan 2025 – Feb 2025

- Developed a React.js and Node.js-based admin dashboard for IPO management, reducing data entry errors and improving the market disclosure process within the compliance department.
- Collaborated on a production-level IPO web application and REST API used by internal teams, utilizing GitHub for version control and following rigorous code review practices to maintain industry-standard quality.

Projects

CompetitorPulse-News Sentiment Platform | Next.js, Node.js, Python, PostgreSQL, NLP   Oct,2025

- Architected a 3-tier microservice platform (Next.js, Express.js API, Python ETL) to track, analyze, and visualize actionable intelligence (Share of Voice, Net Sentiment Score) for competing startups.
- Implemented an advanced NLP pipeline using a Zero-Shot Classification model to solve contextual ambiguity, accurately assigning targeted sentiment when multiple competitors (e.g., "Swiggy" vs. "Zomato") are mentioned in one article.
- Developed a high-performance dashboard with React Query caching, debounced search, and server-side pagination, providing users with time-series trend graphs and a real-time, filterable news feed.

FreshTrack - Predictive Food Waste & Risk Analytics Platform | MERN Stack , NLP & Analytics Jul, 2025

- Built a rule-based predictive engine that analyzes 3,000+ product records daily using expiry data, category sensitivity, environmental factors, and customer feedback to generate spoilage-risk scores and alerts.
- Developed a centralized dashboard showing product-level insights (price, expiry, risk score, business impact) with automated discount/donation recommendations for near-expiry items.
- Implemented a full analytics pipeline integrating Excel-dataset processing, risk scoring logic, donation matching, and smart suggestions (discount alerts, environmental alerts, inventory optimization) via robust REST APIs.

CollabCampus - Campus Connect | React.js, Node.js, Express.js, MongoDB, Web Scraping, NLP   Jan, 2025

- Pioneered a full-stack social networking platform connecting 5,000+ users (students, alumni, faculty) with real-time chat, connection requests, and interactive modules (posts, comments, reactions, media uploads), boosting user engagement.
- Integrated a job-scraping and NLP engine (Puppeteer, Cheerio, Natural) processing thousands of listings weekly to match profiles with high accuracy, improving job discovery efficiency.
- Optimized MongoDB queries and REST APIs for scalable performance and smooth data retrieval for thousands of users.

NagarSaathi - Powering Civic Tech for Every Ward | MERN Stack, Google OAuth, Tailwind CSS   Nov, 2024

- Launched a city-wide QR-enabled complaint management system covering all municipal wards, enabling citizens to report issues (water, drainage, safety, waste) with real-time tracking.
- Architected a multi-level user dashboard (Citizen, Ward Admin, Super Admin) with role-based access control, analytics, and automated ward-wise report generation.
- Enhanced citizen participation and complaint resolution efficiency through QR scans and 2FA security.

Achievements

Hackathon Recognition - Providence Leap Ideathon: Recognized as a Next-Gen Thinker for designing an SMS/voice-enabled healthcare web app that improved data accuracy and enabled 3x wider reach in low-connectivity, underserved communities.
HP Power Lab 2.0: Advanced to Round 2 and currently in the project-building stage, creating a tech-driven and regulation-compliant closed-loop used-oil recovery system.
LeetCode: Earned the 200 Days Badge (2025) for consistently solving problems 200+ days and strengthening DSA skills.

Certifications

- OCI 2025 Certified Generative AI Professional – Oracle University (Oct 2025)
- OCI 2025 Certified Data Science Professional – Oracle University (Oct 2025)
- Foundation of MERN Stack – SimliLearn (Aug 2025)