

Nainsi Gupta

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Education

B.Tech. in Computer Science and Engineering

2022 - 2026

VIT Bhopal University

CGPA – 8.47/10

Technical Skills

Languages: C++, JavaScript, Python, HTML, CSS

Frameworks & Libraries: React.js, Node.js, Express.js, Next.js, PowerBI, Pandas

Databases: MongoDB, MySQL

Core Concepts: Data Structures and Algorithms, OOPs, DBMS, Operating Systems, Computer Networks, ML

Projects

FreshTrack - Predictive Food Waste & Donation Assistant | ML, NLP, MERN Stack

🕒 Jul, 2025

- Engineered a role-based MERN stack platform that processes a dataset of over 3,000 perishable food items, delivering real-time spoilage prediction with color-coded alerts.
- Developed an API-driven donation system to automatically connect soon-to-expire food with nearby NGOs, which reduces waste and streamlines redistribution.
- Implemented ML models that forecast spoilage based on expiry dates, storage conditions, and sales velocity, enabling timely interventions like discounting or stock rotation.

NagarTrack - Governance & Issue Tracking Platform | MERN Stack, Google OAuth , ML

🕒 Apr, 2025

- Built a MERN stack platform with 1000+ users to register, choose wards, and file civic complaints (safety, drainage, etc.) with real-time status tracking.
- Streamlined submissions via QR code-based access; designed an admin dashboard for ward officials to track, update, and resolve 500+ issues efficiently.
- Leveraged ML models to analyze complaint patterns, forecast high-risk areas, and generate data-driven governance reports with 30% improved resolution accuracy.

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

🕒 Jan, 2025

- Developed a full-stack social networking platform connecting students, alumni, and faculty with features like connection requests, follows/unfollows, and real-time chat.
- Implemented 10+ interactive modules including post sharing, commenting, reactions, media uploads, profile previews, and personalized skill-based dashboards, to enrich platform interactivity.
- Integrated a job-scraping engine using Puppeteer, Cheerio, and Natural (NLP) to fetch and match job listings to user profiles based on relevance.

Experience

Software Development Engineer Intern

Remote

Bluestock Fintech

Jan 2025 – Feb 2025

- Built a full-stack admin dashboard using React.js and Node.js to manage upcoming IPOs, which reduced manual data entry errors and enabled faster, more accurate market disclosures.
- Collaborated on a production-level project to develop a public-facing IPO web application and REST API, using GitHub for version control to ensure high-quality, industry-standard code.

Achievements

Hackathon Participation

- Providence Leap Ideathon:** Cleared the first round and was recognized as a "Next-Gen Thinker" for proposing a web app solution with SMS/voice-enabled healthcare access. The idea utilized ML-driven input validation to enable 3x broader access and 30% more accurate records.
- Sparkathon:** Participated in the Walmart-sponsored Sparkathon, developing FreshTrack, an intelligent platform that uses ML and NLP to predict perishable food spoilage. The solution provided real-time alerts and recommendations to minimize food waste and enable community-based donations.

Algorithmic Solutions Development: Solved over 500 problems on GeeksforGeeks and LeetCode, specializing in Data Structures and Algorithms (DSA) using C++. Achieved a university rank of 150 on GeeksforGeeks and a global rank in the top 6.9% on LeetCode with the "100 Days Badge 2025".

Certifications

Marketing Analytics – NPTEL, IIT Kharagpur (April, 2025), Cloud Computing – NPTEL, IIT Kharagpur (May 2024), Bits and Bytes of Networking – Coursera (December, 2023), Foundation of MERN Stack (Aug 2025)