

Niraj Modi

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Education

Asansol Engineering College
B.Tech in CSE (AIML)

Asansol, WB, India (2021-25)
CGPA: 9.0

Indian School of Learning
Higher Secondary (PCM)

Jharia, Jharkhand, India (2019-21)
Percentage: 83.7%

Technical Skills

- **Languages:** C++, Java, HTML, CSS, JavaScript, TypeScript
- **Frameworks & Tools:** ReactJs, NextJs, NodeJs, Express, Tailwind CSS, PrimeReact, SASS, Git, GitHub, VSCode, Linux/Unix, Docker
- **Core Concepts:** Object-Oriented Programming, Data Structures and Algorithms, Database Management Systems, Microservices, Full-Stack Development

Experience

Software Development Intern
Dair.cloud (Subsidiary of NIC INFOTEK)

Jan 2024 - Jul 2024
Florida, USA (Remote)

- Engineered scalable web applications using **TypeScript** and **NodeJs**, optimizing for MVC design patterns.
- Implemented a **Role-Based Access Control** system, enabling fine-grained user permissions for 50+ users, reducing errors by 20%.
- Refined API endpoints by adhering to **SOLID principles**, leading to a 30% reduction in response times.
- Designed reusable components in **React** and **Tailwind CSS**, achieving a 15% boost in front-end development efficiency.
- Optimized **PostgreSQL queries**, resulting in 30% faster data retrieval and improved application scalability.
- Automated workflows using **Camunda BPMN**, cutting manual processing times by **20%**.
- Integrated **Elasticsearch** for **global search**, enhancing search performance for over **10,000 records**.

Projects

Quilog — JavaScript, React, NextJs, Tailwind CSS, MongoDB

Jun 2023 - Jul 2023

- Built a **full-stack blogging platform** supporting Markdown, with over 100 posts created by users in the first month.
- Enhanced user interaction by incorporating **authentication**, commenting, and like features, leading to a 25% increase in user engagement.

KEEP-IT — React, Material UI, IndexedDB

Nov 2022 - Nov 2022

- Developed a **note-taking app** with offline storage support using IndexedDB, with users benefiting from offline functionality.

Achievements

- Top 3.4% globally on **LeetCode** with a **Knight rating of 1962**.
- Ranked **438 out of 400,000+** participants in the **TCS CodeVita** international coding competition.
- Ranked **870 out of 32,562** participants in Leetcode Weekly 420
- Solved **1500+** problems in **Data Structures and Algorithms** across multiple platforms ([LeetCode](https://leetcode.com), Codeforces, HackerRank), achieving consistent rankings in the **top 10%** of contests.
- **Runner-up** and **Second Runner-up** in **Ideathons** at college.

Volunteering Experience

- Led the **Google Developer Student Clubs (2023-24)**, growing the club to **1300+** members and hosting **20+** events.
- Facilitated **Google Cloud Arcade workshops** to promote cloud technologies.
- Managed the **Coding Club**, coordinating **14+** core members for efficient task delivery.

Soft Skills

Leadership, Creativity, Team Collaboration, Communication, Decision-Making