

# Niraj Modi

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## Education

Asansol Engineering College  
B.Tech in CSE (AIML)

Asansol, WB, India (2021-25)  
CGPA: 8.9

Indian School of Learning  
Higher Secondary (PCM)

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

## Technical Skills

- **Languages:** C++, Java, Python, HTML, CSS, JavaScript, TypeScript
- **Frameworks & Tools:** ReactJs, NextJs, NodeJs, Express, Tailwind CSS, Git, GitHub
- **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)

- Built a **data-table system** (search, filter, sort, pagination) and extended it with **query-param sync**, **multi-column sorting**, and custom UI elements.
- Integrated **Camunda BPMN**; designed a **graph-based schema** and APIs for workflow transitions.
- Developed an **RBAC system** for multi-branch roles and permissions, optimizing payloads for **faster APIs**.
- Added **ElasticSearch**-based full-text search with a **Google-style results UI**.
- Contributed to **design discussions** and transitioned from **frontend to backend** after proposing workflow improvements.

## Projects

Focused Mind — JavaScript, Chrome APIs, Manifest V3

Jan 2025 - Jun 2025

- Built a Chrome extension to boost productivity with Pomodoro timer, website blocking, and custom focus sessions.
- Used Manifest V3 and Chrome APIs with features like restricted nighttime edits and screen time alerts.

Medimate — Python, FastAPI, PostgreSQL

Jan 2025 - Jun 2025

- Developed the backend of a cervical abnormality detection app using **FastAPI**, implementing JWT authentication and REST APIs for users, reports, and diagnoses.
- Implemented secure image upload handling with file validation and custom middleware to support model predictions.
- Designed modular API routes, role-based access control, and database schemas with **PostgreSQL** to enable integration with the frontend.

Quilog — React, NextJs, MongoDB

Jun 2023 - Jul 2023

- Built a blog platform supporting Markdown, authentication, and user engagement via likes and comments.

## Achievements

- Ranked in the **top 2.7% globally** on **LeetCode** with a **Knight rating of 2003**.
- Secured **Global Rank 438 out of 400,000+** in the **TCS CodeVita** international coding competition.
- Solved **1500+ DSA problems** across platforms (**LeetCode**, Codeforces, HackerRank), consistently placing in the **top 10%** of coding contests.
- Achieved notable contest rankings including **Top 600 in LeetCode Weekly Contest** and **Top 800 in IICPC Codefest 2025**.
- **Runner-up** in multiple college **Ideathons** for problem-solving and innovation.

## Volunteering Experience

- Led the **Google Developer Student Club (2023–24)** at AEC, growing membership to **1300+** and organizing **20+** events with industry speakers.
- Managed a core team of **15+ members**, coordinating tasks and communication.
- Gained experience in **team building, leadership, event hosting, and public speaking**.

## Soft Skills

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