ANURAG TIWARI
STUDENT AT VNIT NAGPUR

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EDUCATION

VNIT NAGPUR

B.TECH In Electronics And Communication (Major)

Minor in Computer Science

CODING PROFILE

Solve 200+ DSA Problems in GFG

LEADERSHIP EXPERIENCE

Head of Brand Marketing, Brand Head

Ecell VNIT, TEDxVNIT

April 2024 - March 2025

A Student run Organization focusing on entrepreneurship, innovation, and community service.

- Head of Brand Marketing, overseeing and strategies for Ecell VNIT, collaborated with cross-functional teams to deliver 10+ entrepreneurship events.
- Played as key role as Brand Head in TEDxVNIT event Management.

Literary Secretory

Feb 2023 - May 2023

- Served as Literary Secretory in the hostel, promoting literary activities and engagement

SKILLS

Programming Languages : C++, JavaScript

Frontend Technologies : HTML, CSS, React.js

Backend Technologies : Node.js, Express.js

Frameworks/Libraries : Redux Toolkit, Socket.io, TailwindCSS

Databases : Mongo DB, Redis

Tools / Platforms : Git, GitHub, Postman, JWT, Render, Netlify

PROJECTS

CodeX Coding Platform

A one-stop platform for coding, learning & competing.

- Built a full-stack coding platform (MERN) with a **Monaco Editor**, **Judge0** code execution, and batch submission.
- Developed REST APIs for secure **OTP-based auth (Redis)**, JWT, and bcrypt for user management and Admin access.
- Developed a **live coding Battle** Mode with Socket.IO, handling disconnection and tab-switch detection, embedded coin system for engagement with **weekly leaderboard.**
- Enables **real-time chat between opponents during a battle** for more interaction and engagement.
- Users can watch special **"fake ad" videos (no monetization) to earn 500 coins**, allowing those low on coins to continue participating in battles.
- Developed user profiles with streaks, **activity heatmaps,** followers, and following features.
- Integrated a learning page with fully **nested comments, rich-text articles, video editorials, and notifications.**
- Developed an Admin Panel for managing questions, editorials, articles (**TipTap**), and viewing platform statistics.
- Integrated an **AI Chat Assistant** for coding help using **LLM**, making the platform highly interactive and user-friendly.

Chat Application

- Developed a full-stack Chat Application with **real-time messaging**, online status indicators, and user search functionality.
- Built robust Authentication using JWT for secure user sign-in and sign-out.
- User **Search Feature** added for quick and efficient discovery of other users.
- Real-Time Chat & Status implemented using Socket.io, providing seamless communication and **online status tracking.**