

ANURAG TIWARI

STUDENT AT VNIT NAGPUR

CONTACT

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🌐 [Portfolio Website](#)

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🐙 [GitHub](#)

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 Secretary

Feb 2023 - May 2023

- Served as Literary Secretary 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

Generative AI : LangChain, Google Gemini API, Prompt Engineering, Vector Databases

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.

AI WEBSITE BUILDER

Build and Deploy websites without Coding.

- Built an AI-powered Website Builder to generate portfolio or custom websites.
- Integrated **one-click live deployment** feature for instant hosting.
- Enabled **live code editing with real-time preview** for seamless customization.
- Added functionality to **download complete source code as a ZIP**.
- Provided options to build portfolio websites or fully custom sites without starting from scratch.
- Streamlined the website generation process for non-technical and technical users alike.

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**.