

# TANVI MANDHAN



## EDUCATION

INSTITUTE OF ENGINEERING AND TECHNOLOGY,LUCKNOW

2022 - 2026

Bachelors in Computer Science And Engineering ( GPA:9.11/10 )

### Coursework:

Software Engineering  
Database Management System

Computer Networks  
Artificial Intelligence

## ACCOMPLISHMENTS

### CAREER COACH PLATFORM

- Developed a Full Stack AI-Powered Career Coach platform using React.js, Next.js, and Tailwind CSS, with NeonDB as the database and Prisma ORM for efficient data management. Integrated Clerk for secure authentication and Inngest for background task automation. Leveraged Google Gemini API to provide intelligent career assistance features, including a dynamic resume builder, industry-specific mock interview tests, and automated cover letter generation. The project features modern UI components powered by Shadcn/UI for an intuitive user experience.

### STUDENT MANAGEMENT SYSTEM

- A Full-stack student Management platform using Next.JS framework and Typescript,featuring user-authentication(signup,login,secure-password-handling),responsive UI with Tailwind CSS ,database queries with MySQL and Prisma as ORM,tracking and marking students attendance,listing and updating all students,parents,teachers.

### AI VOICE ASSISTANT

- Currently Building an AI-powered voice assistant for students using Next.js, React.js, Tailwind CSS, AssemblyAI for real-time speech recognition, with a responsive UI with the help of shadcn library and Convex DB for backend for interactive, voice-based learning support with Speech to Text and Text to Speech Conversion.

## ACHIEVEMENTS

- 500+ Problems solved on [LEETCODE](#)
- 500+ Problems solved on [CODEFORCES](#)
- 200+ problems solved on [CODECHEF](#)
- 3 star on codechef
- Pupil on Codeforces
- Secured 326 rank among 25000+ participants in an online coding contest held on codechef.
- Secured under 35 rank in howzat contest held on hackerrank.
- Secured 2nd Rank in Internal Hackathon 2023 ([Smart India Hackathon](#)).

## TECHNICAL SKILLS

- Languages:c++/c/Python/SQL
- Frontend:React.js,Next.js,Tailwind CSS,HTML,Javascript,Shadcn
- Backend:Node.js,Express,MongoDB,MySQL,FireBase,PostgreSQL,Bootstrap
- AI/ML:Langchain,RAG,Generative AI,OpenAI APIs,claude,Gemini
- Data structures and Algorithms
- Problem solving Skills
- Developement tools:Visual Studio code,Sublime text,Github,Vercel

## EXTRA-CURRICULAR ACTIVITIES/LEADERSHIP ROLES

- Class representative of Computer science and engineering branch in BTECH stream in IET LUCKNOW.
- An active Member of INSANIAX:The Dance club,IET LUCKNOW.
- An active listener with good interpersonal skills.