

ANSHIKA TOMAR

University of Petroleum and Energy Studies , Dehradun

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• TECHNICAL SKILLS

- **Languages:** Java , C , HTML , JavaScript , C++ , python
- **Web Development:** React.js, Node.js, Express, CSS, Tailwind CSS, UI/UX Design
- **AI/ML & GenAI:** Generative AI APIs (Gemini, OpenAI), Prompt Engineering, Data Processing
- **Databases & Backend:** MongoDB, SQL, NoSQL, JWT Authentication, REST APIs, Middleware
- **Developer tools:** Git, GitHub, VS Code, Postman, Render, Cloudinary
- **CS Fundamentals:** Computer Networks ,Object-oriented Programming, & OS .

• PROJECTS

Elira – AI Virtual Assistant (MERN Stack)

- Architected a bilingual AI assistant (Hindi/English) featuring real-time voice interaction and conversational logic.
- Integrated OpenAI API with Speech-to-Text/Text-to-Speech, achieving a low response latency of 1.5 seconds.
- Implemented media management using Cloudinary and YouTube search integration for enhanced user utility.
- Designed a mobile-first responsive UI using React and Tailwind CSS to maximize user engagement

DSA Buddy – AI-Powered DSA Instructor

- Built a full-stack platform that utilizes Generative AI to explain complex Data Structures and Algorithms with clean code examples.
- Leveraged Google Gemini API for intelligent response generation and managed the backend using Node.js and Express.
- Deployed the frontend on GitHub Pages and backend on Render to ensure 24/7 application availability.

MY PORTFOLIO WEBSITE

Engineered a high-performance portfolio using React and Tailwind CSS to showcase projects, skills, and experience. Implemented smooth navigation, interactive elements, and clean UI/UX design to enhance user engagement. Serves as a personal brand hub and professional presence online.

• EXPERIENCE

Web Development Intern

Jun 2025 - July 2025

Aculizein Tech , AGRA UP

- Engineered responsive web applications using the MERN stack (React, Node.js, Express) and JavaScript.
 - Integrated high-performance REST APIs and optimized UI elements, improving overall application load speed.
 - Maintained version control and collaborated with a development team via GitHub to manage a shared codebase
- Link: <https://drive.google.com/file/d/1JuX8YSjI9TjUSWxzPej0tFeYZNmVcksl/view?usp=sharing>

Mentor & Educator (Mathematics & Technology)

Jun 2024 - July 2024

Ek Pahel BR. Memorial Welfare Society, AGRA

- Instructed 50+ students in Computer Science fundamentals and digital literacy to bridge the educational gap.
 - Developed comprehensive learning materials and managed classroom activities to foster a technical mindset.
- Link: <https://drive.google.com/file/d/14anAJg-dWKEgxl4gzlX3uz-n831pBYr/view?usp=sharing>

• EDUCATION

University of petroleum and energy studies | Dehradun

Aug 2023 - May 2027

- Bachelor of Technology in Computer Science (AI & ML)
- CGPA: 7.9/10
- Relevant Coursework: Object-Oriented Programming (OOPs), Operating Systems, Computer Networks

Boston public school | AGRA

Jun 2020 - May 2022

- Class 12 (PCM) & Class 10
- Scores: Class 12: 87% | Class 10: 80%

• ADDITIONAL INFORMATION

- **Languages:** English , Hindi.
- **Certifications:** Google Cloud GenAI, TATA GenAI Data Analytics, Deloitte Cyber Job Simulation
- **Hackathons:** Smart India hackathon , Adobe India hackathon, flipkart Grid 07 .
- **Strengths:** Problem-solving, clean coding, UI thinking, Fast Learner , teamwork, ownership.