

Anshul Kanodia

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[linkedin](#) | [Portfolio](#) | [Github](#)



Professional Summary

Motivated Computer Science & Engineering undergraduate (B.Tech, class of 2028) with strong foundations in backend development, system architecture, geospatial mapping, and machine learning. Proven track record of architecting interactive web applications, automating system-level workflows, and engineering natural language processing models. Passionate about writing scalable server-side logic, intuitive user interfaces, and leveraging data-driven solutions for real-world applications.

Education

VIT Bhopal University | Bhopal, Madhya Pradesh *Bachelor of Technology in Computer Science and Engineering*

- **Expected Graduation:** May 2028
- **CGPA:** 8
- **Key Coursework:** Data Structures & Algorithms(DSA), Database Management Systems (DBMS), Foundation in Data Analytics ,Object-Oriented Programming (OOP).

Technical Skills

- **Core Focus:** Backend Architecture, RESTful API Design, System Automation, Server-Side Logic.
- **Secondary Focus:** Frontend Web Development, Interactive Visualizations, UI/UX Integration.
- **Programming Languages:** Python (Advanced), Java, C++, SQL, JavaScript, HTML5/CSS3.
- **Frameworks & Tools:** Git, GitHub, Vercel, VS Code, Linux Shell, Jupyter Notebooks.
- **Specialized Domains:** Machine Learning, Natural Language Processing (NLP).

Technical Projects

GeoCraft — Open-Source Geometry Game (tenali.fun)

- **Technologies:** JavaScript, Python, HTML5, CSS3, Web APIs, Vercel
- **Overview:** Engineered GeoCraft, an interactive geometry learning game contributed open-source to the educational platform tenali.fun.
- Architected real-time dynamic problem generation engines for geometry puzzles, optimizing math rendering and client-side performance.
- Developed responsive UI components and state management for interactive gameplay, score tracking, and low-latency user interaction across devices.
- Collaborated within an open-source workflow using Git/GitHub to integrate the module smoothly into the tenali.fun ecosystem.

Context-Aware Cyberbullying Detection on Social Media

- **Technologies:** Python, Machine Learning (Transformers), NLP, Synthetic Data Generation.
- **Description:** Developing an advanced ML model to detect toxic behavior and cyberbullying in social media interactions.
- **Impact:** Utilizing synthetic data generation to address class imbalance and improve the model's ability to detect context-specific toxicity, enhancing online safety mechanisms.

Desktop Voice Assistant (DVA)

- **Technologies:** Python, Speech Recognition Libraries, OS Automation.
- **Description:** Built a command-line based voice assistant capable of executing system commands, web searches, and routine automation tasks via voice input.
- **Impact:** Streamlined daily workflows by reducing manual input for repetitive tasks, demonstrating strong system development skills.

Personal Developer Portfolio

- **Link:** [My Portfolio](#)
- **Technologies:** Web Technologies, Vercel Deployment.
- **Description:** Designed and deployed a responsive personal portfolio to showcase technical projects and backend capabilities.
- **Impact:** Established a professional online presence with a focus on clean UI and accessible project documentation.

Leadership & Extracurricular Experience

Technical Team Member | Student Chapters & Clubs

- **Role:** Active Member, Technical Committee.
- **Description:** Contributing to the technical requirements of multiple student clubs at VIT Bhopal.

Certifications & Achievements

- Refer to [LinkedIn](#) and [My Portfolio](#) for a verified comprehensive list.
- Cloud Computing and Distributed System – NPTEL (May 2026)
- 5-Day AI Agents Intensive Course - Kaggle (Dec 2025)
- Applied Machine Learning in Python - Coursera (Nov 2025)
- Introduction to Internet of Things - Nptel (Nov 2025)
- Introduction to Generative AI - Google Cloud Skills Boost (Sep 2025)