# PRIYANSHU GAUTAM

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## EDUCATION

**VIT Bhopal University, Bhopal**                                                                    **2022 - 2026**
*B.Tech in CSE(Specialization in Cyber Security and Digital Forensics)*                    *8.12/10 CGPA*

## SKILLS

C++, HTML, CSS, Tailwind CSS, JavaScript, React.js, Next.js, Node.js, MySQL, Firebase (NoSQL), Git, GitHub, Linux, Firebase, REST APIs.

## PROJECTS

**Geo-India: Geospatial Guessing Game**                                           **[May 2024 - Aug 2024]**
- Developing a geospatial guessing game for the Space India Hackathon, aiming to create an engaging and educational experience.
- Developed and maintained the backend infrastructure using Firebase, ensuring reliable data storage and real-time updates.
- Integrated Google Maps SDK for interactive map features, providing users with an intuitive interface for exploring geospatial data.
- Technologies: Firebase, Google Maps SDK, JavaScript, HTML/CSS, possibly React.js and GeoJSON for geospatial data handling.

**AirDoodle: Interactive Virtual Canvas**                                              **[Feb 2025– Apr 2025]**
- Draw in the air using just a webcam and a colored object- no keyboard or touchscreen needed. A fun, futuristic way to interact with your screen.
- Uses HSVcolor detection to track your hand or marker smoothly and reliably. Works well even with changing lighting conditions.
- Switch colors, change brush size, or clear the screen using simple hand gestures. Touch-free control to the drawing experience.
- Technologies: Python, OpenCV, NumPy, HSV Color Space, Collections (Deque), Scikit-learn , Webcam.

**InsightDoc: Smart Document Assistant**                                            **[Oct 2024- Jan 2025]**
- Developed a modern web application that allows users to upload PDF documents and ask context-aware questions.
- Integrated Google Generative AI API to extract relevant answers directly from uploaded PDFs, simulating an intelligent assistant.
- Enabled seamless login/signup using Clerk authentication and ensured real-time state synchronization through Convex backend.
- Technologies: Next.js, Tailwind CSS, Google Generative AI API, Clerk Auth, Convex, PDF.js

## EXPERIENCE

**Indian Space Lab**

- Gained hands-on experience with key aspects of technology, which includes specialized modules in Advanced Drone Technology, CanSat and CubeSat Satellite Programs, Astronomy, and Space Entrepreneurship.
- Collaborated with engineers and scientists on real-time projects involving satellite communication and mission simulation.

## CERTIFICATIONS

**Blockchain Developer** ('CEAPBCD1IN' provided by IBMCE), **Blockchain Fundamentals** ('CEFBC1IN' provided by IBMCE), **GENAI Using IBM Watsonx**, **Artificial Intelligence and Data Science** (provided by C-DAC in Northeast (CINE))

## HOBBIES

Basketball, chess– demonstrate team strategy and analytical skills.

Active content creator with a passion for photography and digital storytelling.

## LANGUAGE

English,Hindi