

UTKARSH SHARMA

C-53 Ganga Vihar Residency, opp. To KV, New cantt, Prayagraj, 211001

☎ +91 8709740487 ✉ utkarshsharma.xlle.14172@gmail.com <https://www.linkedin.com/in/utkarsh-sharma-bb3405251/>
<https://github.com/Utkarsh449>

SUMMARY

Computer Science undergraduate at VIT Bhopal specializing in Gaming Technology, skilled in game development, web applications, and cloud computing. Experienced in Unity, MERN stack, and AWS, with projects including a 3D Space Exploration Game, DocHealth ML platform, and Web-based Flight Simulator.

Education

VIT BHOPAL

Bachelor of Technology in Computer Science and Engineering (Gaming Technology)

Oct 2022 – June 2026

Bhopal, Madhya Pradesh

SKILLS and CERTIFICATIONS

Programming: Python, Java, HTML5/CSS3, SQL, C#

Tools/Applications: VS Code, Eclipse, LaTeX, Git, Blender, Unity, Unreal Engine 5

Certifications: NPTEL Cloud Computing, Coursera The Bits and Bytes of Computer Networking, HackerRank Java, MATLAB and Simulink, Ethnus AWS Solutions Architect, Ethnus MERN Full Stack Internship

Workshops: Networking and Security Workshop — VIT Bhopal (with I-Medita and Cisco), Sept 2024 — Completed a 2-day Cisco Networking and Security workshop with hands-on expertise in routing, switching, firewalls, VPNs, and cloud security.

Project Experience

Space Exploration Game — Academic Project

Jan 2025 -- Mar 2025

- Conceptualized, designed, and developed a 3D space exploration game using Unity and C#, integrating immersive gameplay mechanics and dynamic visual effects.
- Implemented intuitive player controls, environmental interactions, and storyline progression, enhancing overall user engagement.
- Optimized performance and rendering pipelines, ensuring smooth gameplay across different system configurations.

DocHealth — Academic Project

July 2024 – Apr 2025

- Developed the frontend interface for DocHealth, a web-based disease detection platform, ensuring responsive design and intuitive user experience.
- Integrated ML models into the application workflow and managed deployment on cloud infrastructure, enabling seamless access and scalability.
- Utilized the layout editor to create a UI for the application in order to allow different scenes to interact with each other.

Networking and Security Workshop By VIT Bhopal with I-Medita and Cisco

Sept 2024

- Completed an intensive 2-day workshop on Cisco Networking and Security, gaining hands-on exposure to enterprise networking concepts.
- Acquired foundational expertise in network security, firewalls, and cloud computing, strengthening applied knowledge of Cisco technologies.
- Collaborated with peers in practical lab sessions, enhancing problem-solving skills and real-world application of networking protocols and security mechanisms.

Flight Simulator (Web-based Prototype) - Personal Project

Aug 2023 -- Oct 2023

- Designed and developed a browser-based 3D flight simulator using Three.js, HTML, CSS, and JavaScript, implementing basic flight physics and camera controls.
- Built interactive UI components for altitude, speed, and directional indicators, enhancing the gameplay experience.
- Optimized rendering performance with WebGL techniques, ensuring smooth execution across modern browsers.
- Delivered an engaging web-based prototype that demonstrates strong frontend development and game physics integration.