

Rachit Sharma

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EDUCATION

VIT Bhopal University, Bhopal, Madhya Pradesh

October 2022 – October 2026

Bachelor of Technology in Computer Science Engineering (Gaming Technology)

CGPA: 8.4

Relevant Coursework: Physics of Game Development, AR/VR in Gaming, Gaming for Education, Agile Game Development

TECHNICAL SKILLS

Languages: C#, GDScript, Python, C++, Lua

Game Engines & Libraries: Unity, Unreal Engine, Godot, OpenGL

Tools & Platforms: GitHub, Blender, Visual Studio, monday.com

EXPERIENCE

Hopscotch Games

February 2025 – May 2025

Game Tester Intern

Remote

- Tested and debugged games across Unity, Roblox, and Highrise platforms, collaborating with seasoned developers to gain hands-on experience with C#, Lua, and USS for game development.
- Identified and categorized 50+ bugs by severity (Uncomfortable, Painful, Deadly), improving game stability. Provided 10+ design suggestions, using game development expertise to improve quality and used AI tools to help in development.
- Created 100+ high-quality games using AI tools and managed their deployment on the company's internal platform

PROJECTS

Scalvage | *Unity, C#*

December 2024

- Developed a 2D side-scroller for Secret Santa Game Jam 24 in 16 days, delivering a polished one-run game with a cohesive gameplay loop.
- Created 3 distinct levels with innovative platforming, integrating over 10 reactive traps and 4 enemy types to enhance challenge complexity.
- Crafted a haunting tale of an organ-trafficking surgeon in a perilous world, boosting immersion with 3 seamless level transitions, lauded by over 10 peers for improved flow.

Infinite Parkour Runner | *Unreal Engine, Blueprints*

October 2024 – May 2025

- Designed and implemented a third-person endless runner game in Unreal Engine, developing 5 core mechanics (e.g., movement, animation, obstacles) from scratch over 4 months.
- Crafted a fluid moveset featuring wall-running, dashing, and projectiles, refining mechanics through over 50 iterations based on feedback from 5 peers.
- Built an obstacle course level to showcase mechanics, playtested with 5+ peers achieving 80%+ satisfaction rate in gameplay flow.

Sky Island Warfare | *Unreal Engine, Blueprints, Team Project*

February 2024

- Led level design for a 5-person team, co-developing a VR arcade flight prototype in Unreal Engine.
- Engineered a physics-based flying system (velocity, drag, acceleration), achieving consistent 60 FPS performance.

CERTIFICATIONS

Intro to AR/VR/MR/XR: Technologies, Applications & Issues: **University of Michigan, Coursera**, December 2024

Foundations of Cyber Physical Systems: **IIT Kharagpur, NPTEL**, January 2024

ADDITIONAL INFORMATION

Core Member, VR & Gaming Club: Organized 5+ events, including project exhibitions and guest talks, engaging 100+ students.

Employee of the month: Recognized as Employee of the Month during first month of tenure.

Video Games: Accumulated over 3,000 hours of gameplay spanning 10+ genres, acquiring expertise in mechanics, design, and player engagement that shaped 3 personal projects.