

# Patil Atharv Rohit

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## EDUCATION

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### VIT University

Bachelor of Technology

Major in Computer Science; Minors in Gaming Technology

Cumulative GPA: 7.13/10

Bhopal, Madhya Pradesh  
Expected September 2026

## TECHNICAL SKILLS

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**Languages and Frameworks-** C#, C++

**Database:** MySQL

**Game Engines-** Unity, Unreal Engine 5

## PERSONAL PROJECTS

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### CybHacks- Cyber Security Game

June 2025

Tech Stack: Unity, C#

- **Mechanics Implementation:** Programmed interactive educational game in Unity to teach fundamental cybersecurity concepts through gamified challenges.
- **Customizable Risk and Vulnerability Modeling:** Designed a system to dynamically adjust the risk factor and complexity of cybersecurity threats based on player actions.
- **Advanced UI Feedback and Instruction Display:** Developed interactive UI elements (pop-ups, hints, and instruction overlays) to guide the user without breaking immersion.

### Quiz Master Game

April 2025

Tech Stack: Unity, C#

- **Mechanics Implementation:** Developed a quiz-based educational game in Unity featuring multiple categories, difficulty levels, and scoring systems.
- **Reusable Prefab-based Question Template System:** Used reusable Prefabs instantiated and recycled at runtime, drastically reducing garbage collection overhead and improving performance during rapid-fire quiz segments
- **High Score Persistence:** Designed a local leaderboard interface to motivate players and showcase skills in data persistence beyond basic runtime variables.

### 3D Tennis Game

September 2024

Tech Stack: Unity, C#

- **Mechanics Implementation:** Developed a realistic 3D tennis simulation in Unity featuring physics-based ball movement and responsive player controls.
- **Dynamic Camera System for Gameplay Focus:** Developed a dynamic camera system using custom C# scripting that smoothly tracks the ball and players, adjusting view angles and zoom levels to keep critical action in focus.
- **Custom Input Manager and Cross-Platform Compatibility:** Utilized Unity's Input System to handle and map controls, demonstrating an understanding of modern input architecture and ensuring easy future compatibility with different input devices (e.g., keyboard, gamepad).

## CO-CURRICULAR

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### Dramatics Club

Bhopal, Madhya Pradesh

Drama Team

Oct 2023- May 2025

- Performed in stage productions and contributed to script development.

### Discipline Committee

Bhopal, Madhya Pradesh

Discipline Team

Feb 2023

- Mediated conflicts among students by organizing resolution meetings for disputes

## ADDITIONAL

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**Languages:** English, Marathi, Hindi

**Certifications & Training:** Certified in Hyper Casual Games [Issued by Udemy 2025], Adobe UI\UX [Issued by Ethnus Certification Program 2025], Blockchain Developer [Issued by IBM Career Education Program 2025].