

# Abhay Patoliya

Game Developer

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## About Me

I'm a dedicated Unity game developer with 4.5+ years of experience. Proficient in C# and the Unity engine, I have crafted games for mobile, PC, AR, and VR platforms. I'm passionate about developing innovative and engaging games that bring joy to players around the world.

## Skills

- Project Management
- Problem Solving
- Creativity
- Productivity
- Communication Skills

## Expertise

- C# programming
- Unity-Engine Game-play mechanism
- Multiplayer game
- Augmented Reality(AR)
- Virtual Reality Development
- NFT base Meta Games
- 3D and 2D Game
- IoT(Internet of Things)
- Mobile Optimization
- Real Money Game
- Socket.IO Unity

## Work Experience

Mar 2025 – Present 10 month	<b>Senior Game Developer   Capermint Technologies Pvt.Ltd</b>  I have developed high-quality mobile games using Unity, with a strong focus on gameplay mechanics, performance optimization, and overall user experience. Throughout my journey, I collaborated closely with designers, artists, and backend teams to deliver polished and scalable game features on time.
May 2025 – Present 8 month	<b>Senior Game Developer   CognAI Studios Pvt.Ltd</b>  I am leading the development of AAA-quality esports titles with advanced gameplay systems while building and managing a global indie game studio composed of international talent. I integrate cutting-edge technologies to enhance performance, visuals, and competitive features, design immersive and community-driven gaming experiences, and implement scalable multiplayer architectures with innovative game mechanics for players worldwide.
Feb 2022 – Jan 2025 3 Years	<b>Junior Game Developer   WebAshlar &amp; GameAshlar Pvt.Ltd</b>  I am excited to continue my journey in Unity development through an internship, where I can further enhance my skills, contribute to exciting projects, and learn from industry professionals. My experience at Cipherhex Technology Pvt. Ltd. has prepared me for the challenges and opportunities that lie ahead in the world of Unity game development.
May 2021 – Dec 2021 8 month	<b>Intern and Junior Game Developer   Cipherhex Technology</b>  I am excited to continue my journey in Unity development through an internship, where I can further enhance my skills, contribute to exciting projects, and learn from industry professionals. My experience at Cipherhex Technology Pvt. Ltd. has prepared me for the challenges and opportunities that lie ahead in the world of Unity game development.

# **Education**

2019-2020 H.S.C.

1 year Fail

2016-2017 S.S.C.

1 year Successfully completed 10th grade, demonstrating strong academic performance and foundational skills.

# **Work**

## **Technical Management**

**GitHub:** Source control, version management, and team collaboration

**Zoho Projects, Trello:** Agile sprint planning, task tracking, and backlog management

**Slack, Zoho Cliq:** Seamless communication and real-time collaboration across multidisciplinary teams

## **Company Management**

**Basecamp:** Project planning, team coordination, and milestone tracking

**Keka:** HR management including attendance, payroll, and employee performance tracking

# **Portfolio**

## **Empire Match 3 - Working**

Empire Match is a visually captivating match-3 puzzle game that allows players to build and decorate their own empire by progressing through engaging, content-rich levels. Combining addictive match-3 mechanics with empire-building progression, the game rewards strategic play as players unlock new areas, powerful boosters, and decorative elements. Designed with intuitive controls and vibrant visuals, Empire Match delivers a polished experience for both casual and competitive players, featuring daily challenges, special events, and social leaderboards that keep gameplay fresh and motivating.

## **Vikash Rummy (<https://apps.apple.com/in/app/the-golden-rummy/id6477373170>)**

Vikash Rummy is a modern digital adaptation of the classic Rummy card game, designed with a user-centric approach and a distinctive visual identity. The game supports both simulated and real-money gameplay, strictly adhering to responsible gaming regulations and restricted to players aged 18 and above. With a polished UI, secure systems, and multiple gameplay modes, Vikash Rummy delivers an authentic and engaging card gaming experience.

## **Golf**

This multiplayer golf game offers a smooth and competitive experience where players can compete in real-time with friends or global opponents. It features skill-based swing mechanics, realistic ball physics, and responsive controls across beautifully designed courses. Players can join head-to-head matches, private rooms, and online tournaments, supported by fast matchmaking, leaderboards, and social features. Optimized for performance on mobile and PC, the game delivers an engaging and accessible multiplayer golf experience.

# Portfolio

## MR.PILOT AVIATION Learning

MR. PILOT AVIATION Learning is an IoT-based aviation learning project that integrates iLevel 3 AW and BOM (Broadcasting Outer Module) to transform iPad and Android tablets into fully functional glass cockpits. The system delivers essential real-time flight data, including AHRS, GPS, ADS-B traffic and weather, airspeed, and altitude, providing pilots and learners with a modern digital cockpit experience.

The solution supports wireless autopilot control and offers a cost-effective, easy-to-install alternative to traditional aircraft panels, making it suitable for both experimental and certified aircraft. To enhance understanding and training, the project also collects and visualizes flight data within a VR environment, allowing users to see how cockpit systems work in real time and experience flight data interaction in an immersive learning setup.

## Idle Nation: Build Your Country (<https://apps.apple.com/in/app/idle-nation-build-a-country/id6504358528>)

"Idle Nation: Build Your Country" is an engaging idle strategy game that puts players in the role of a visionary leader tasked with transforming a humble piece of land into a thriving, powerful nation. This project blends the excitement of nation-building, resource management, and strategic decision-making, offering players a unique mix of intellectual challenge, fun, and competitive game-play.

## Flight Navigation Shared Game - 2D

Flight Navigation Shared Game (2D) is an interactive navigation-based game built in Unity where players can select, create, and manage custom flight routes on a 2D map. The game allows users to draw flight paths using line rendering patterns, visually displaying planned routes in real time. Players can easily add, modify, or remove routes, enabling dynamic route planning and strategic navigation. Designed with a clear UI and smooth interactions, the game focuses on accurate visualization, responsive controls, and shared route planning for an engaging and intuitive navigation experience.

## VR Killer-Bullet Shooter Game

The VR Killer-Bullet Shooter Game is an intense, immersive single-player VR experience designed for players who love fast-paced action and survival challenges. Set in a post-apocalyptic world overrun by zombies and hostile enemies, the game challenges players to survive waves of increasingly difficult enemies while upgrading their weapons, unlocking unique skins, and managing resources to stay alive. The game combines dynamic VR interactions with engaging mechanics, offering players a thrilling mix of combat, strategy, and survival.

## Halix Car PvP Shooter Game

Halix is an intense multiplayer PvP car combat game featuring real-time voice and chat functionality. Players engage in high-stakes team deathmatch (TDM) battles, utilizing fully customizable cars equipped with advanced weaponry and defenses. Built with Socket.io for seamless multiplayer connectivity, the game fosters competitive gameplay and strategic teamwork, supporting up to 10 players per room.

## WebGL Games

WebGL Games for the Kerru9 Platform are lightweight, high-performance browser-based games developed using Unity WebGL. These games are optimized for fast loading, smooth gameplay, and cross-device compatibility, allowing users to play instantly without downloads. Designed to integrate seamlessly with the Kerru9 platform, the games support scalable deployment, responsive controls, and engaging user experiences while maintaining strong performance across modern web browsers.

# Portfolio

## Mobile Cover Simulator - Customization Design Game (<https://play.google.com/store/apps/details?id=com.gameashlar.mobilecoverart>)

Mobile Cover Simulator is a unique game that lets players express their style by designing custom mobile phone covers. With a detailed 3D modeling environment, users can personalize covers that match their mood or upcoming events, choosing from professional, playful, or vibrant designs. As players progress, they unlock new design elements, earning in-game currency to purchase premium items and create exclusive looks.

## Metaland - Blockchain-Powered Open-World Shooter(<https://playtoearn.com/blockchaingame/metalands> && <https://playtoearn.com/blockchaingame/metalands>)

Metaland is a cutting-edge, multiplayer, blockchain-based shooter game where players engage in thrilling, team-based battles in a vast, open-world environment. Integrating NFT technology, the game allows players to own, upgrade, and trade their in-game assets as NFTs, adding real-world value to their virtual achievements. Developed with extensive use of Unity and utilizing various advanced plugins, Metaland combines intense action, strategic gameplay, and a social ecosystem.

## Police Simulator & Virtual Meeting Game

This Police Simulator offers players a realistic experience of police department operations. Players assume roles such as officers, detectives, or administrators, working collaboratively to manage crime cases, plan operations, and analyze data. The game includes a unique virtual meeting environment for in-game discussions, briefings, and strategizing, combining police simulation with real-time, team-based interactions.

## NFT-Based Coffee Shop Simulation Game

The NFT-Based Coffee Shop Simulation is an immersive 3D game that combines coffee shop management with NFT integration. Players own and run a virtual coffee shop, managing everything from sourcing coffee beans to creating unique recipes, balancing finances, and upgrading the shop. Additionally, players can connect their Metamask wallet to view their NFTs, creating a unique blend of simulation gameplay with NFT elements.

## PUBG-like Inventory System with PlayFab

Creating an inventory system similar to PUBG's, using PlayFab as a backend service, involves several steps. PUBG's inventory system typically includes items like weapons, cosmetic.and also the types of items players can have, such as weapons, skins, or consumables.Set up a database on PlayFab to store information about each item, including attributes like name, description, and image.Implement a user authentication system using PlayFab to uniquely identify players.Use PlayFab APIs to manage item ownership for each player.Implement functions to retrieve a player's inventory from PlayFab.Create functions to add and remove items from a player's inventory.an intuitive inventory UI where players can view and manage their items.Display item icons and relevant details in the UI.Enable players to create and manage loadouts consisting of equipped items.

## Ludo Game

Developed a 2D multiplayer Ludo game in Unity, incorporating Photon Unity Networking (PUN) for real-time gameplay and Razorpay for secure, real-money transactions. The game allows 2 to 4 players to join a virtual Ludo board, roll dice, and move tokens, aiming to reach the center first to win.