

# Krushna Prasad Marndi

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## EDUCATION

**PDPM Indian Institute of Information Technology, Jabalpur**  
*B.Tech - Electronics and Communication Engineering*

2022 – 2026

Jabalpur, Madhya Pradesh

## ABOUT ME

Electronics and Communication undergrad with strong foundation in C++ and system design. Experienced in building interactive systems (games, simulations) with focus on performance, real-time problem solving, and user-centric design.

## TECHNICAL SKILLS

**Languages:** C++, C#

**Game Engine:** Unity Engine

**3D software:** Blender

**Tools and platforms:** GIT, Github, Visual Studio Code 2022

## CONCEPTS

- Singleton Pattern
- Oops Concepts
- OOP
- System Optimization
- Collision Detection
- UI System
- Design Patterns

## PROJECTS

### Left In The Dark ↗ | Unity

- Interactive Visual Novel designed a modular, data-driven dialogue system with typewriter effects, UI animation, and reusable architecture.
- Implemented a modular dialogue system using DialogueContainer, DialogueSystem, and TextArchitect scripts for clean separation of logic, data, and presentation.
- Developed custom coroutines and mesh manipulation logic (TextArchitect) to animate dialogue text in real-time using TextMeshPro.

### Hungry Rabbit ↗ | Unity

- Engineered a real-time interactive system with object detection, collision handling, and destruction logic.
- Designed a scoring progression system, simulating product-like feedback loops for user engagement.

### Hells Kitchen ↗ | Unity

- Built a resource management system with gameplay loop, emphasizing feature prototyping iterative testing.
- Designed levels and interactions, demonstrating user experience-oriented development.

### Midnight Crumbs ↗ | Unity

- Designed player navigation system with collider-based obstacle detection.
- Prototyped a cauldron mechanic spawning cookies when interacted with.
- Focused on expanding knowledge of Unity's trigger G interaction system. Focused on expanding knowledge of Unity's trigger interaction system.

## EXTRACURRICULAR EXPERIENCE

### Jagrati Member ↗

2022 – 2025

- Volunteered as part of a student-led initiative to foster education in nearby villages.
- Taught 65+ underprivileged children, focusing on building curiosity and foundational knowledge.
- Developed teamwork, leadership, and communication skills through collaborative teaching sessions and mentoring.