Priyanshu Kumar

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Professional Summary

Game Developer with 4+ years in Unity and Unreal engines, creating high-performance games. Proficient in game architecture, AI development, and procedural generation, with achievements in enhancing player engagement and halving development timelines through automation and efficient workflows.

Professional Experience

CodeSculpt Labs   **Remote, India**
Game Developer   *Jun 2020 – Current*

- Delivered over **20** cross-platform game projects, specializing in performance tuning.
- Developed and published Unity Editor tools that automated processes, notably reducing development time by **50%**.
- Implemented profiling techniques to fix memory leaks, improving application stability.
- Coordinated with cross-functional teams to deliver features on time, contributing to a **15%** reduction in development cycles.

Selected Projects

Cross-Platform UIManager Module (Unity):

- Streamlined UI development by **80%** with modular components; published on Unity Asset Store.
- Adopted by over **500** developers worldwide, contributing to improved UI workflows in multiple projects.

AI Metahuman NPC (Unreal):

- Designed AI-driven metahuman NPC with real-time, context-aware responses, enhancing gameplay.
- Implemented advanced AI algorithms for natural language processing, improving NPC interaction realism.

Technical Skills

- **Core Skills:** Game Architecture, AI Development, Procedural Generation, Cross-Platform Optimization, Performance Tuning, Multiplayer, Shader Programming
- **Programming Languages:** C# (Advanced), C++ (Intermediate), C
- **Game Engines:** Unity (Advanced), Unreal Engine (Intermediate)
- **Development Practices:** Component-Based Design, Event-Driven Programming, Test-Driven Development (TDD)
- **Tools:** Visual Studio, Git, Shader Graph

Certifications

- Unity Certified Programmer
- Game Design and Development with Unreal Engine Specialization

Education

Chandigarh University **Punjab, India**
Bachelor of Engineering: Biotechnology *July 2024 – Pursuing*