SUNIL SAPKOTA

Game & Web Developer . Gandaki, Nepal . therealsunx@gmail.com . therealsunx.github.io

Summary

A problem solver, given that making games, game engines, good web-apps or any other thing that can be solved by code is a problem.

Skills

- Game Development (Unity, C#, C++, Python)
- Web Development (React, Nextjs, Threejs, Fiber)
- Shader (GLSL, HLSL, Graph Shader)
- Engine Development (2D and 3D physics, ECS)
- Graphics Programming (OpenGL, GLFW)
- 3D Modelling and Animation (Blender)
- Pixel art and Animation (Aseprite)

Relevant Experience

Indie Game Developer *since April 2021*

- Designed, developed and released a flight arcade game, EndLess
- Designed, developed and released an arcade dash game, Edge of Space
- Developed own game engine library PhysX-2D from scratch
- Designed custom 2D and 3D game assets
- Decent experience on Procedural animation, Sprite Animation and Skeleton Animation

Web Developer @*MarginTop Solutions since Nov 2023*

- Developed interactive and responsive websites for clients using different frameworks like React, Next.js.
- Developed 2D and 3D configurator-based web products using THREE, Fiber and Konva.
- Collaboration with backend engineers, designers and project managers to develop qualitative websites.
- Gained proficiency in modern frontend development frameworks and API integration.
- Setting and maintaining Continuous Integration/Continuous Deployment (CI/CD) pipelines for products.

Software Engineering virtual experience program @*Electronic Arts on June 2024*

- Proposed a new feature for the Sims 4 and wrote a Feature Proposal describing to other stakeholders.
- Built a class diagram and created a header file in C++ with class definitions for each object required in the feature.
- Patched a bugfix and optimized the Sims 4 codebase by implementing an improved data structure.

Education

- Bachelor's Degree in Computer Engineering : Tribhuvan University : 2021-2025 (undergoing)
- High school : Madhyabindu Multiple Campus : 2021

Certifications

- EA software engineering virtual Job Simulation Completion Certificate
- Executive Member tenure completion in Robotics Club, WRC

Note: Check out therealsunx.github.io for more information