

# Vishnu Suresh

## Programmer

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## Skills

**Languages:** C#, JSON, Python, Unreal Engine Blueprints

**Engines & Tools:** Unity, Unreal Engine, FMOD, GitHub, Visual Studio, JetBrains Rider

**Specialties:** AI Programming, Multiplayer, System Design, VFX, Shader Creation, Rapid Prototyping

## Work Experience

### TRAIN WRECK - VFS Final Project

Nov 2024 - Present

Programmer

- Implemented a **modular architecture**, enabling scalable systems and reducing iteration time by **30%**.
- Designed **real-time VFX** systems using **Unity's VFX and Shader Graph**, including smoke and environmental effects.
- Developed and optimized **AI behaviours** for non-player entities, enhancing gameplay depth.
- Built a **JSON-based heatmap system** visualizing player data from **50+ playtests**.
- Integrated **FMOD** for adaptive audio design, delivering dynamic and responsive soundscapes.
- Collaborated across disciplines to rapidly prototype and deliver polished gameplay systems.

### CALAMITY CHASM - VFS Team Project

Sep 2024 - Oct 2024

Programmer

- Programmed and animated 5+ gameplay mechanics**, including punching fists, trap doors, and explosive barrels.
- Designed and programmed **user-friendly UI** with integrated VFX for immersive experiences.
- Created a **dynamic progression UI bar** inspired by *Risk of Rain* to enhance player engagement.
- Worked closely with designers and artists to ensure **seamless system integration**.
- Optimized performance by implementing **efficient particle systems** for real-time playability.

### FANTASY PROJECT - VFS Student Project

Sep 2024 - Dec 2024

Programmer

- Implemented **Unreal Engine Blueprints** and **Niagara systems** to create cinematic and gameplay VFX.
- Crafted a **narrative-driven level** with objectives to acquire weapons of varying skill levels.
- Designed and optimized complex **enemy AI** and visual feedback for a challenging boss fight.

## Education

### Vancouver Film School

Jan 2024 - Mar 2024

Diploma Game Design

### Fanshawe College

Jan 2018 - Dec 2021

Adv. Diploma Graphic Design

## Hobbies

GameJams - Running - Reading - Photography - Swimming - Powerlifting - Hiking

## Certificates

### Python Mastery

Apr 2023

Code With Mosh