JAI SINGH RATHORE

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SKILLS

Languages | C++ • Python • C • Java • Unreal Blueprints • OpenGL• GLSL
Softwares and Tools| Unreal Engine • Blender • Visual Studio • Visual Studio Code • JetBrains Rider • NumPy • Pandas • SciKit Learn • Matplotlib • Tensorflow • Keras • PyTorch
VERSION CONTROL | Git • Git Hub • Git Lab • Perforce

EXPERIENCE

Steel Frog Studios – Game Developer Intern   Mar 2024 – July 2024
● Switchable First Person and Third Person custom cursor game mode
● Discord Plugin for Unreal Engine to integrate the Discord Rich Presence (Github Repo Link)
● Custom Discord Plugin integration

Nightingale Studios – Game Developer Intern   Apr 2024 – May 2024
● Custom Flying mechanics for the spaceship
● Discord Plugin Integration

PROJECTS

● Music Tune Generator (Tensorflow and Keras)
● Debiasing Facial Detection (Tensorflow and Keras)
● Safe Picture Categorization (PyTorch - Work In Progress)
● Lone - Survivor : A zombie survival game made for the Game Dev.tv game jam.
● Discord Unreal Engine Integration Plugin (Discord Rich Presence integration for Unreal Engine games)
● Handwritten number detection (Deep Learning)
● Star Wars Cinematic (Inspired by Mandalorian made and powered by Unreal Engine)
● Halo Remake (Unreal Engine)
● Halo Cinematic (Unreal Engine and Blender)
● Toon Tanks (Cartoonish Theme based tank game)
● Simple Shooter (Third Person Shooter game with mechanoid)

EDUCATION

Christ University - B.Tech in CSE specialization in AIML   Aug 2022 – May 2026

XAMK - BASc in Computer Games and Programming Skills   Jun 2023 – Dec 2024

COURSEWORK

• Unreal Engine Blueprints   • C++ for Unreal Engine

• GPU Architecture   • MIT Deep Learning

• Unreal Engine Multiplayer Architecture (ongoing)   • Deep Learning Bootcamp

• Modern C++ Programming Cookbook (Book by Marius Bancila)   • AI for Games (Book by Ian Millington)

INTERESTS

• Cinematics • Level Design • Art • 3d Modeling • Photogrammetry • Gaussian Splatting