

# Sanjay Saji

UNITY DEVELOPER & GAME PROGRAMMER

+91 62825 50799

sanjaysaji393@gmail.com

github.com/sanjaysaji234

linkedin.com/in/sanjay-saji

x.com/SanjaySaji50193

## PROFILE

Engineering student and game programmer with a strong foundation in Unity and C#. Passionate about building immersive, playable experiences — from mobile endless runners to AI-driven ecosystem simulations. Quick learner with solid problem-solving skills, eager to contribute to a collaborative development team and grow within the games industry.

## SKILLS

### LANGUAGES

C#, C++ (Basic), Python (Basic)

### TOOLS & ENGINES

Unity, Blender, Git / GitHub, A\* Pathfinding, Procedural Generation, Unity Shaders, Mobile Optimisation, AI Behaviour Trees

## PROJECTS

### ProtoBoat

[github ↗](#)

Endless-runner mobile game where players dodge obstacles across dynamic environments. Implemented responsive touch controls, progressive difficulty scaling, and performance-optimised rendering for mobile platforms.

Unity

C#

Unity Shaders

Mobile Optimisation

### Fantasy Game Demo

[github ↗](#)

2.5D side-scroller featuring platforming, puzzle-solving, and real-time combat. Built advanced enemy AI systems with dynamic behaviour, designed boss encounters, and modelled environment assets in Blender.

Unity

C#

AI Systems

Blender

### Ecosystem Simulation

[github ↗](#)

Procedurally generated ecosystem where animal agents interact, hunt, and reproduce using behaviour trees and A\* pathfinding. Demonstrates emergent AI, realistic animal life cycles, and scalable simulation architecture.

Unity

C#

A\* Pathfinding

Procedural Generation

AI Behaviour Trees

## LANGUAGES

English · Hindi · Malayalam · Tamil

## EDUCATION

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### **B.Tech — Computer Science & Engineering**

**8.1 → 7.9 → 8.04 SGPA**

Delhi Technical Campus, Greater Noida, Uttar Pradesh, India · Currently in  
4th Semester

Semesters 1 - 3

### **Class 12 — CBSE**

**86%**

Bright Public School, Valakom, Kerala, India

2024

### **Class 10 — CBSE**

**88%**

Bright Public School, Valakom, Kerala, India

2022