

## EXPERIENCE

- Game Dveloper at SKIDOS
- Intern at Insanity Crew
- UDC GAMEJAM - (Itch.io)
- Rajasthan-IT Hackthon

## XR PROJECTS

### CUSTOM CARS

Built an interactive AR car customization application using Unity, **AR Foundation**, and **C#**, allowing users to place a full-scale car model in real space and apply real-time modifications (colors, rims, body kits, lighting). Implemented touch-based interactions, **material swapping**, **3D model optimization**, and real-time rendering for high performance on mobile. Integrated AI-assisted suggestions for recommended car designs. Focused on UX, scalability, and **AR tracking** stability to deliver a polished, production-ready AR experience.

### WELDING WORLD

Developed a VR welding simulation application using Unity and **XR Interaction Toolkit**, enabling users to weld two metal pieces with realistic heat effects, sparks, melt behavior, and metal fusion. Implemented precise **hand-tracking interactions**, physics-based welding mechanics, collision detection, and performance-optimized visual effects. Designed for training and **skill development**, ensuring accurate tool handling and immersive real-world welding workflow.

## GAME PROJECTS

### NIGHTMARE

A **3D third-person fighting game** built with **Unity and C#**, featuring **AI-driven enemies using Unity's NavMesh** system. The game includes fluid combat mechanics, player movement, and health system. Character models and animations are integrated from **Mixamo**, while the terrain and map are created using **Unity's Terrain** System. Available on **WebGL and Android**, offering an immersive action-packed experience.

## WEB PROJECTS

### CAR-BECHO

A full-stack car dealership platform built with **React (Vite)**, **Node.js (Express)**, and **MongoDB**, designed for seamless buying and selling of vehicles. The app features real-time messaging (**Socket.io**), buyer and seller authentication with **Mailtrap verification & reCAPTCHA**, and a fully responsive **Tailwind CSS UI**. Sellers get a dedicated dashboard to manage listings, while buyers can browse and chat with sellers directly. The backend is hosted on **Render**, and the frontend on **Vercel**, ensuring smooth deployment and performance.

## EDUCATION

**TEERTHANKAR MAHAVIR UNIVERSITY**  
Bachelor of Computer Application  
2022 - 2025

**R.M.S.G PUBLIC SCHOOL**  
Senior Secondary school  
2020 - 2021

## SKILLS

- |                |              |
|----------------|--------------|
| • React JS     | • JavaScript |
| • Next Js      | • Express Js |
| • Tailwind CSS | • Mongo db   |
| • SASS         | • Git/Github |
| • Unity        | • HTML       |
| • C#           | • CSS        |