

AJITH KUMAR

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SUMMARY

XR Developer with **3.5+ years of experience** creating **AR, VR, and MR applications** using **Unity (C#)** and **Unreal Engine (Blueprints, C++)**. Skilled in **interactive simulations, training tools, multi-platform deployment** (Quest, HoloLens, Android), and **performance optimization**.

WORK EXPERIENCE

Senior XR Developer — *Novac Technology Solutions, Chennai*

Jun 2022 – Present

- Delivered **AR/VR/MR applications** using Unity and Unreal across Quest, HoloLens, Android, WebGL, and PC.
- Integrated **hand tracking, spatial mapping**, and **REST APIs** for real-time interactive experiences.
- Mentored junior developers and optimized **multi-platform builds** for performance and stability.

KEY PROJECTS

- **VR Escape Room (IDFC Bank)**: Built XR-based employee training module with session data tracking via REST API.
- **Rocket Launch & Satellite Deployment (Thinkmate)**: Designed VR planetary simulation using XR Interaction Toolkit.
- **Dental Instrument Sterilization (Easy Dent)**: Developed guided VR workflow for sterilization training.
- **Motor Assembly Simulation (Flowserve)**: Engineered high-fidelity motor assembly simulation with multiple input modes.
- **3D Data Visualization (Internal Product)**: Created interactive VR dashboards connected to live Excel data.
- **Virtual Shopping Mall (Shriram)**: Developed Unreal-based virtual mall with AI NPCs and gamified zones.
- **Cinematic Experience (Albaqee)**: Directed PCVR war-themed cinematic using Niagara VFX and Chaos.

- **Immune System VR Training (Roche CIT):** Built narrated VR experience visualizing immune system processes.
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SKILLS

Engines: Unity (C#), Unreal Engine (Blueprints, C++)

SDKs: XR Interaction Toolkit, MRTK, Oculus Integration

Platforms: Android, Windows, WebGL, WebXR

Devices: Meta Quest, HoloLens 2, Pico Neo 3

Rendering: URP, HDRP, Lumen

Tools: REST APIs, Git, Plastic SCM

EDUCATION

B.Sc in Physics

Periyar University — India

Jun 2016 – May 2019

B.Voc in Augmented & Virtual Reality

Periyar University — India

jun 2019 – May 2022

MBA

University of Madras — India

Aug 2024 – Present