Mohammed Umer Kalaniya

📞 +91 9022248150   ✉ umerkalaniya@gmail.com   ⌘ **Mohammed Umer Kalaniya - XR Portfolio**

WORK EXPERIENCE

Senior XR Developer | Parallax Labs   January, 2024 – Present

- **Designed and developed a multi-level VR/MR fire safety training system for Indian Railways** including extinguisher handling, emergency protocols, real-time feedback, performance scoring, and a Mixed Reality experience using physical fire extinguishers for realistic interaction inside actual train environments.

- **Created an interactive VR fire safety training module for Royal Canin**
  Focused on individual response in a workplace fire scenario. Users navigate through a guided emergency workflow, identify fire types, select appropriate extinguishers, and complete the task within a time limit. The system tracks performance and provides detailed feedback for improvement.

- **TATA battery installation MR**
  Mixed Reality project where users learn the battery installation process. The experience uses hand tracking for interactive, hands-on guidance.

Associate XR Developer | Parallax Labs   May, 2023 – Dec,2023

- Harper Adams AR
  Developed an Augmented Reality application in Unity for iPad, enabling users to spawn a car on a marker, scale and rotate it, and activate a transparency mode to visualize internal components like the engine.

- VR Operation & Maintenance Simulator for the Indian Air Force

XR Developer Intern | Parallax Labs   Nov, 2022 – Apr,2023

- Gained practical experience in interactive and immersive environments through the development of small 2D and 3D games and work on VR projects.

SKILLS

Languages: C#, JAVA, Unity

XR Technologies: Unity (2D,3D, XR), VR/AR Headsets, AR kit, AR Core, Vuforia, Open XR, Lens Studio

Others: Firebase, Blender, Android

EDUCATION

Maharashtra College of Arts Science and Commerce   2020-2022
Master of Science in Information Technology   *CGPA: 8.0/10*

Maharashtra College of Arts Science and Commerce   2018-2020
Bachelor of Science in Information Technology   *CGPA: 7.4/10*