# BHARATHAN M

+91 6383151862 | bharathan1519@gmail.com | bharathanXReality.com | **in** LinkedIn | Meta

Chennai, India.

## ABOUT

An innovative XR developer with 2+ years of experience in transforming ideas into impactful solutions across Healthcare, Defense, and Enterprise sectors. Fueled by a passion for leveraging AR/VR/MR technologies, I thrive on pushing boundaries and creating immersive experiences that address real-world challenges.

## EDUCATION

• **SSN College of Engineering** — *Nov 2020 - May 2024*
*B.E Mechanical Engineering* — Chennai,India
  ◦ **CGPA: 8.02**

## EXPERIENCE

• **HCL Tech [🌐]** — *Mar 2023 - May 2023*
*Virtual Reality Development Intern* — Noida,India
  ◦ Contributed to a live customer project, focusing on product delivery and innovation.
  ◦ Developed Unity-based VR applications with expertise in 3D modeling.
  ◦ Designed and implemented critical environments and assets for product success.
  ◦ Engaged in customer interactions to align project outcomes with expectations

## PROJECTS

• **XR Gamified Portfolio** — *Aug 2024 - Nov 2024*
  ◦ Revolutionized Conventional portfolio .
  ◦ Transformed skill presentation with gamified storytelling and hyper-real simulations..
  ◦ Published in Meta Horizon Store.

• **Occupational Therapy for Autism Using VR** — *Mar 2023 - Jan 2024*
  ◦ Developed medically approved VR simulations (NIEPMD) to teach life skills to autistic children.
  ◦ Winner of IEEE Yesist12 Local Chapter competition; finalist in Cairo, Egypt.
  ◦ Selected as one of the top 150 projects in Tamil Nadu under the Naan Mudhalvan scheme.

• **MetaLibray: Library management system in VR** — *Apr 2023*
  ◦ Won BNY Mellon Service Jam 2023 with an immersive 3D library management system.
  ◦ Revamped a 2D system to gamified environment for user interaction.
  ◦ Integrated ML models for book recommendations via a holographic interface.

• **ecoARena: Augmented community engagement system** — *Sep 2023*
  ◦ Won SRMIST Hackfest 2.0, 2023, with a web-based platform leveraging AR for eco-friendly initiatives
  ◦ Empowered residential communities to engage in sustainable actions via an immersive experience.
  ◦ Implemented a dynamic leaderboard system to track progress and foster competition.

• **Neurobridge: Pre Surgical Training simulation** — *Aug 2023*
  ◦ Winner of Google Hackit 2023.
  ◦ Developed a surgical training simulator for Coronary Stent placement.
  ◦ Collaborated with medical professionals to ensure procedural accuracy and real-world applicability.

• **Immersive VR tank simulator for ARJUN MK-1A** — *Oct 2023*
  ◦ Smart India Hackathon 2023.
  ◦ Developed a high-fidelity VR training simulation for ARJUN MK-1A Main Battle Tank operators using Unity.
  ◦ Attested and approved by military personnel, ensuring accuracy and reliability.

• **Mixed Reality Assembly for Automobile** — *March 2024*
  ◦ Final Year Project 2024
  ◦ Created a Mixed Reality platform for spatial 3D extrusion and guided automobile assembly.
  ◦ Enabled intuitive interaction with 3D parts for seamless and accurate assembly processes.

## SKILLS

- **Programming:** C#, C++, C, python.
- **Softwares:** Unity, Blender, Unreal engine 5 , Creo, Ansys.
- **Skill Knowledge:** Virtual Reality, Augmented Reality, Mixed Reality,UI/UX design,CAD
- **SDK and Toolkits:** XRIT, Meta SDK, OpenXR.
- **Frameworks:** MRTK, ARcore, Vuforia
- **Languages:** English, Tamil, Hindi.
- **Leadership:** Event Head at SSN INVENTE, Food Committee Head at SSN INSTINCTS.

## ACHIEVEMENTS

- BNY mellon hackathon winner 2023, cash prize 25k.
- Google HackIT 2023 Winner.
- SRMIST Hackfest 2.0 winner 2023, cash prize 15k.
- IEEE yesist12 2023 International Hackathon finalist Cairo,Egypt.
- TN Naan Mudhavalan Top 150 projects 2024.
- StartupTN Industry 4.0 Pitch Deck Winner.