

Dharshini Ramesh Babu

+91 7339447087 | shinirameshh@gmail.com | <http://linkedin.com/in/dharshini-rameshbabu-807a22293>

EDUCATION

Panimalar Engineering College

Bachelor of Technology in Artificial Intelligence and Data Science

2021 – 2025

Velammal Bodhi Campus

Senior Secondary (XII), CBSE Board

2020 - 2021

Nag Vidhyashram School

Secondary (X), CBSE Board

2018 - 2019

PROJECTS

Interactive Anatomy Exploration in Mixed Reality with Holographic Display

- The project uses Hololens and segmentation algorithms to convert 2D medical images into interactive 3D models for improved clinical practice and surgical preparation.

Art Immerse: a 360-degree immersive VR experience

- Co-ordinated a project focused on providing users with a 360-degree immersive VR experience of a renowned painting.

Driver drowsiness detection using machine learning

- Fatigue detection uses eye-tracking to alert drowsy drivers and prevent accidents.

Machine Learning prognostics for genetic disorder prediction

- Machine learning improves genetic disorder prediction through early and precise analysis of diverse data.

TECHNICAL SKILLS

Languages: Python, SQL, C

Developer Tools: VS Code, Visual Studio

Libraries: pandas, OpenCV, Matplotlib, MRTK

Other Software: Unity, Blender, 3D Slicer

CERTIFICATIONS

Build Your Metaverse - *Munjal Birmingham City University Centre of Innovation and Entrepreneurship*

Unity Essentials Pathway - *Unity*

Unity junior programmer- *Unity*

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- Interactive Anatomy Exploration in Mixed Reality with Holographic Display.

ACHIEVEMENT

- Build Your Metaverse Project Expo – *Second Runner Up*