



VIGNESHWARAN B

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EDUCATION

Sri Eshwar College of Engineering	B.E (ECE)	CGPA 8.24	2021 - 2025
Nagamani Ammal Memorial Matric.Hr.Sec School	HSC	91.6%	2019 - 2021
Nagamani Ammal Memorial Matric.Hr.Sec School	SSLC	89%	2018 - 2019

INTERNSHIP

Praya Labs - Intern 2023

Gained experience of **2 month** in **AR Development**, **Web development** fundamentals and developed the pulse monitoring system, by using the Unity software and REST API to integrate IoT. Seamlessly integrated **augmented reality technology** to enhance user engagement and immersion, showcasing a technological expertise.

PROJECTS

PULSE MONITORING SYSTEM USING AR

[Video link](#)

Data from the sensor is sent to Unity software via a customized Rest API, with an ESP8266, and a ky039 heartbeat sensor so that it can be displayed in an Augmented Reality (AR) view through mobile phone and include a few vital specifications to enhance user-friendly and blends technology to healthcare.

Tech Stack : C# Script, Rest API, Unity, Vuforia SDK, Internet of Things.

HAND TRACKING FOR 3D OBJECT CONTROL IN UNITY

[Video link](#)

Developed a real-time human hand interaction system for manipulating 3D objects using OpenCV and Unity. The system tracks hand landmarks via a webcam and transmits the data using UDP communication to a Unity environment. Hand movements and gestures control the position and orientation of 3D objects in the scene, enabling intuitive interaction.

Tech Stack : C#, Python, OpenCV, UDP, Unity

2D CREEPY CAT GAME USING UNITY

[Video link](#)

Designed and implemented core gameplay mechanics, including character movement, jumping, and enemy interactions, to create a captivating 2D gaming experience. Utilized Unity's robust features for sprite animation, physics, and collision detection to enhance the overall game dynamics. It also creating a unique and engaging game using existing assets and tutorials.

Tech Stack : Unity Engine, C# Scripts.

CERTIFICATIONS

Foundational C# with Microsoft Microsoft	2024
Meta AR Developer Professional Certificate (3Courses) Coursera	2024
The Joy of Computing using Python NPTEL 63%	2023
Introduction to XR: AR,VR,MR Foundation Coursera	2023
VR and 360 Video Production Daydream	2023
Diploma in Computer Application [DCA] CSC	2019

ACHIEVEMENTS

Leetcode : Solved 85 problems | Contest Rating : 1415

HackerRank : 1 star in Problem solving and C Language

International Yogasana Champion and won **3rd prize** in Thailand.

Top Performer and cleared a **Diploma in Python Programming** exam with “A” Grade

Semi-Finalist in Project Expo at **BIT V-PRAYUKTI'23**

SKILLS

Programming Languages	: C# C Python
Game Tools	: Unity Game Engine Blender(Basics)
Query Languages	: MySQL(Basics)
Core Concepts	: OS Networking
Web Technologies	: HTML CSS JavaScript