NISHAMIL P

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📍 Kerala, India

As a developer, CS and IOT engineer, I pride myself on being both responsible and creative. The prospect of gaining my first professional work experience fills me with anticipation and excitement. I'm eagerly looking forward to applying my skills and learning from real-world challenges, all while contributing my innovative ideas to the projects I'll be involved in. This opportunity marks the beginning of my career journey, and I am committed to making the most out of it by collaborating effectively, expanding my knowledge, and making a positive impact.

KEY COMPETENCIES

Process improvement	Report writing and presenting	Proactive and self-motivated
Data-driven strategic planning	Critical thinking skills	Exceptional organisational skills
Quality assurance tester	Excellent communication skills	

EXPERIENCE IN SOFTWARE PROJECTS

Web Development and Database Design   **2022**

Hospital Management DBMS mini project

Developed and implemented a web development using HTML and CSS. SQL database creation and managing data on doctors, patients and consultation. And tester of the project.

App development   **2023**

Android App Development

Using Flutter to build a social media platform. With Google support and test analyst of the project.

Graphic Design using GLUT   **2023**

Moon Sun and Eclipse using GLUT

Prepared and served a variety of beverages with precision and creativity, consistently meeting or exceeding quality standards for latte art and presentation. And quality assurance tester of the project.

CIODS   **2023-24**

HNCDrugResDB

Web design with Django backend and Database connection for a website for the researchers of Yenepoya University regarding their research on Head and Neck Drug Research Database Tool. And tester of the project.

CURATION TOOL   **2023-24**
BIOCUE

A database curation tool to extract data from a database website called PUBMED with more than 37 million citations for biomedical literature from MEDLINE, life science journals, and online books, Citations may include links to full text content from PubMed Central and publisher web sites. we curate using pmid which is unique to each paper published in PUBMED website using api key provided by the pubmed.

EXPERIENCE IN IOT PROJECTS

HOME AUTOMATION   **2023**

An IOT project using nodeMCU and Arduino IDE, used basic principles and varied connections to maintain the system running like, servo motors bulbs and other sensors like DTH12 sensor, temperature sensors to predict the room condition and respond to the users control using blynk server and app to act as a remote

SMOKE DETECTOR **2023**

An IOT project to create an simpler and cost efficient version of commercial smoke detectors for home and labs which will react to certain components of air like CO2, CO, petroleum gas using MQ-2 , MQ-135 sensors and blynk server to get notification to phones and email notification if any anomalies detected on the air on the room or building.

3D PRINTER **2022**

An IOT project to create an simpler and cost efficient version of commercial 3D PRINTER using mechanical arms and rotator to build the structure and UNO board to control the moment and over all system is controlled by an MEGA board programmed using Embedded C in Arduino IDE and Merlin.

Virtual Telepresence Robot **2021**

An IOT project to create a robot with a camera is placed in a remote location to capture the environment in visual form using Raspberry Pi (RPi). The captured visuals are displayed on the user's virtual reality (VR) or a screen and headset to give a telepresence effect.

Real-Time Face Recognition Doorbell **2021**

An IOT project for a Video Surveillance robot that can be controlled via wireless remote control and can be used for video surveillance. This generally occurs in a military scenario where surveillance of borderlines and enemy territory is essential to a country's safety. Human surveillance is achieved by deploying personnel near sensitive areas in order to constantly monitor for changes. Possibility of error is high and limitations are also high hence a high surveillance remote control bot can achieve must better results with minimum personal damage.

EDUCATION & CERTIFICATIONS

Bachelor of Computer Science and Engineering **2020-2024**

Major at Computer Science and Engineering
Yenepoya Institute of Technology
Visvesvaraya Technological University

Spoken Tutorial IIT Bombay **2020-2024**

Completed course on C/C++, Java, Kotlin, Python, Android app development

Additional Skills Acquisition Program **2020**

Govt.HSS Pottassery

EXTRACURRICULAR ACTIVITIES

2024

Core-Organizer, Yentechmania National Level Tech-fest

Core organizer of Yentechmania a National level tech fest at Yenepoya Institute of Technology as a technical student we conducted a national level tech fest under CSE department of Yenepoya Institute of technology to spread the wide use of technology in your unique way, all over the country. Including HACKATHON and Robotic events we had 11 programs under the fest and went successfully and had a great experience for both us and the participants.

2022-2023

Core Organizer, Byte Code

Core organizer of Byte code Inter department level tech fest at Yenepoya Institute of Technology as a technical student we conducted a tech fest under CSE department of Yenepoya Institute of technology to spread the wide use of technology in your unique way. Including Coding debugging and aptitude rapid fire under the fest and went successfully and had a great experience for both us and the participants.

2022

Co-founfer, YIT Embedded Club

Founding YIT Embedded club at Yenepoya Institute of Technology as an IOT aspirant we created this group to help students to recognise about the world of technology on things around as and as a programmers, developers we should be aware about the technological component present and the way of usage of these compounds and utilities in various way, to spread the idea and encourage innovation in the campus we established this club.