

Thanush Thankachan

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PROFILE SUMMARY

Motivated and eager to learn, with a strong desire to grow in dynamic environments. Committed to delivering quality results, adapting to challenges, and contributing to team success. Focused on continuous learning and making a positive impact.

PROJECT EXPERIENCE

IoT and Renewable Energy Projects

Sep 2024 – Oct 2024

- Developed a smart home automation system for energy conservation using ESP32 and DHT11 sensors.
- Designed an air quality monitoring system integrating a PIR sensor and Blynk Cloud for remote management.
- Created a plant health monitoring system, automating irrigation to conserve water resources.

To-Do List Application

Oct 2024 – Nov 2024

- Created a simple to-do list app with Django, allowing users to add, edit, and delete tasks, with a user-friendly interface and database-backed storage.

AI- Incident Response Plan and Simulation

Nov 2024 - Present

- Developed an incident response plan to handle potential cybersecurity breaches. Simulated a cyberattack scenario and demonstrated the response process, including containment, eradication, and recovery phases.

AI-Powered Job Matching Chatbot

Jan 2024 – Present

- Developed an intelligent chatbot using **Sentence-BERT** to match user queries with job descriptions and FAQs.
- Implemented **semantic similarity analysis** using **cosine similarity** to provide accurate responses.
- Built a user-friendly interface with **Streamlit** for real-time user interactions.
- Enhanced user experience by providing skill recommendations based on missing job keywords.

WORK EXPERIENCE

Tech intern (Ai/ml)

(Eduvanz)

Present

- Building ai agents and automating the workflow using intelligence

AI intern

(Smart cookie)

2025 - Present

- Developed an AI agent to analyze resumes using machine learning, automating scoring and selection processes.

- Implemented an automated email system for candidate notifications, improving communication efficiency in recruitment.

YouTube Creator

2024 - Present

(Self-Employed)

- Produce and edit informative videos focused on robotics and IoT devices.
- Develop clear, engaging content to educate and inspire a tech-savvy audience.

EDUCATION

MIT-WPU

Aug 2023-May 2025

MCA, Master in Computer Application (Science)

RELEVANT COURSEWORK

Cloud Practitioner(AWS) | IBM Cybersecurity Fundamentals | Google Developer Club | Critical Thinking & Problem Solving | Market Research and Analysis | IBM Python for Data Science Project

SKILLS

Programming Languages: Java, Python, C++, JavaScript

• **Web Development:** HTML, CSS, JavaScript, ReactJS

• **Backend Development:** Spring Boot , , Django, Flask

• **Database Management:** MySQL, SQLite, MongoDB

• **Version Control:** Git, GitHub

• **Cloud Computing:** AWS, Firebase

• **DevOps:** Docker, Jenkins, CI/CD

• **Others:** Cyber Security, SQL, RESTful APIs, Agile methodology, Problem-solving skills, Communication skills