

SIBI KUMAR S



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OBJECTIVE:

A passionate AI & ML Developer, focusing on building intelligent solutions that leverage data-driven models to solve real-world problems and contribute to the growth and success of your esteemed company.

EDUCATION:

BACHELOR OF TECHNOLOGY - Artificial Intelligence & Data Science
DHANALAKSHMI SRINIVASAN UNIVERSITY, TRICHY

MAY 2025

BIO-MATHS - CLASS XII
SVMHRSECONDARYSCHOOL, TRICHY

MARCH 2021

CLASS -X
SAIVIDHYALAYA C.B.S.E SCHOOL, TRICHY

MARCH 2019

PROJECTS:

- **AI- powered humanoid robot**|| Final year Project – Built a real robot capable of voice interaction, real-time face recognition, object detection, and expressive hand gesture control. **50 Days**
Technology used – Python | Ollama (Mistral) | YOLOv8 | Face Recognition | Speech Recognition | (TTS)
Hardware kit – Raspberry Pi | Arduino | Webcam | Microphone | Servo Motors
- **Quantum Vision x** - Developed a network-based monitoring system to determine the Online/Offline status of multiple IP cameras, ensuring centralized connectivity management.(successfully deployed) **30 Days**
Technology used - Python | Gray scale | OpenCV | Dlib | MongoDB | Raspberry Pi.
Hardware kit - pi 5 | Ip camera | NVR
- **Quantum vision facial attendance system**- Built a facial recognition system to log attendance and trigger alerts on repeated entries. **(successfully deployed)** **40 Days**
Technology used - Python | OpenCV | Dlib | MongoDB | Raspberry Pi.
Hardware kit - Raspberry Pi 4 | pi Camera V2
- **OllamaVoice Assistant ||IndividualProject** - Developed a Raspberry Pi-based voice assistant. **10 Days**
technology used:Python || Olama || Text-to-Speech(TTS) || Speech Recognition
Hardware kit: Raspberry Pi | Microphone | Speaker
- **IOT home automation || Individual Project** - Developed an IoT-based home automation system . **10 Days**
Technology Stack used - C language || esp - 32 || Arduino IDE || BLYNK IOT.
Hardware kit- ESP32 microcontroller || Servo.
- **Attendance Management System using LLM** – Built a web-based system to manage student attendance and user-friendly interface, integrated with LLM technology for easy database access **50 Days**
Technology Stack Used – HTML || CSS || Python || SQLite.
University Project | Team – 2 member
- **E-Cell Club Website** – Developed a dynamic website for the university's Entrepreneurship Cell to showcase events, initiatives, and resources for students **20 Days**
Technology Stack Used – HTML || CSS ||
University Project | Team – 2 member.
- **Food App** - Built a PHP based food ordering app emphasizing gut health with calorie listings **15 Days**
Internal Hackathon |-Team - 4 members | Frontend Developer
Technology Stack Used - HTML || SCSS || Dialogue Flow

- **AI Club Website** – Created a website for the university’s AI Club to highlight activities, workshops, and projects, fostering student engagement in AI initiatives

Technology Stack Used – HTML || CSS

University Project - Team – 4 members | Team Lead | Developer
- 50 Days

INTERNSHIP :

- **AI & ML** at Quantum sharq - OFFLINE (stipend-based)
 - **IOT** at One Stop.AI - online
- 90 Days
45 Days

CERTIFICATION :

- ONLINE**

 - Data Visualization (**IBM**)
 - google vertex AI Badge
 - Artificial intelligence (**GL**)
 - Data Analysis(**IBM**)
 - Arduino vs Raspberry pi(**GL**)
- OFFLINE**

 - Prompt Engineering (**L&T Edu tech**)

TECHNICAL PROFICIENCIES

- **Software Tools** : Arduino IDE | Visual studio | GitHub | Figma | Dialogue Flow | Pi imager |Mongo DB|BLYNK.
- **Packages & Libraries** : TTS | open cv |SpeechRecognition | Arduino | Pandas | Esp8266 | Esp-32 | Dlib.

SOFT SKILLS: communication | Decision-making | Adaptability | Time management.

PUBLICATIONS:

"Design and Development of Attendance Management and Analysis System Using LLM" – Journal of Information Technology and Digital World (ISSN: 2582-418X), 13 September 2024. Available at: www.irojournals.com/itdw/

WORKSHOPS & CONFERENCES :

- **Conference on Innovation in Medical Technologies (ICIMT 2023)** – Dhanalakshmi Srinivasan University, 7 January 2023
- **2-Day Workshop on Intellectual Property Rights** – Dhanalakshmi Srinivasan University, 26-27 April 2024
- **International Conference on Innovations and Applications of Artificial Intelligence in Engineering and Agriculture (ICIAAIEA 2024)** – Dhanalakshmi Srinivasan University, 5-6 July 2024
- **International Seminar on Industry 5.0 Skills** – Dhanalakshmi Srinivasan University, 15-17 July 2024

LANGUAGES KNOWN

- English** – Professional Proficiency
- Tamil** – Native / Fluent
- Telugu** – Conversational