

K S VENKATRAM

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 [venkatramks](#)  Venkatram Krishnapuram

Chennai, Tamil Nadu - 600 040, India

EDUCATION

- **Amrita Vishwa Vidyapeetam**

B.Tech in Computer Science (AI)

2023 – 2027

Coimbatore, India

- GPA: 7.93 / 10.00

WORK EXPERIENCE

- **AI Engineer Intern**

DigiSignals India Pvt Ltd

Apr 2025 – Jul 2025

- Worked as a team member in building an Agentic RAG application for Bray International, a leader in flow control and automation products.
- Built a feedback analysis mechanism for handling inaccurate responses for User Questions answered by their AI Bot

PROJECTS

- **Food Monitoring System using IoT and ML**

Python, ESP32, Sensors, ML, GPT-4

Feb 2024 – Apr 2024

- Built a smart system with sensors and ESP32 to monitor food freshness.
- Trained ML models to detect spoilage from real-time data.
- Added recipe suggestions powered by large language models.

- **Speaking System for Mute People Using Hand Gestures**

Python, OpenCV, KNN, Arduino

Jan 2024 – Mar 2024

- Recognized hand gestures in real-time using OpenCV and KNN.
- Converted gestures to speech with Arduino and voice module.
- Enabled intuitive communication for mute individuals.

- **Farm2Market System (Cloud platform)**

Python, Next.js, Tailwind CSS, Azure App Service, Logic Apps, Azure Database, Django

June 2024

- Developed a cloud platform connecting farmers, consumers, and dealers.
- Designed a clean, interactive front end with Next.js and Tailwind CSS.
- Enabled live updates and notifications for real-time engagement.

SKILLS

- **Languages:** Python , C++ , C
- **Frameworks/Tools:** React, OpenCV, Next, MySQL, Apache, Docker
- **Domains:** Machine Learning , Large Language Models, Azure Devops

PAPERS PUBLISHED

- **Hand Gesture-Driven Speech Aid for Mute Individuals:** [View Paper](#)

CERTIFICATES

- **Machine learning and Deep Learning – IIT Madras (June 2024):** [View Certificate](#)
- **Large Language Models – IIT Madras (June 2024):** [View Certificate](#)