

Chennai, TN  
+91 9840650939

# THANUSH KANNAN

## AI ENGINEER

[thanushkannan.ai@gmail.com](mailto:thanushkannan.ai@gmail.com)  
[| LinkedIn](#) | [| GitHub](#) | [| Portfolio](#)

### EDUCATION

#### Dr. M.G.R. Educational And Research Institute

2021 - 2025

- B.tech Computer Science – Data Science and AI
- GPA: 8.9

#### Sri Sankara Matriculation Higher Secondary School

2019 – 2021

- 12th Grade (Intermediate)
- Percentage: 80%

### SKILLS

#### Programming Languages

Python, C++, JavaScript, HTML/CSS, SQL

#### Frameworks/Tools

Flask, Langchain, WordPress, Proteus (Simulation), IoT Development,  
Video Editing (Davinci Resolve), Poster Design (Canva)

#### Database

MySQL

#### Cloud Technology

IBM Cloud, Google Cloud Platform, Microsoft Azure

#### Soft Skills

Time Management, Teamwork, Communication, Problem Solving, Leadership

### EXPERIENCE

#### • G Cloud Networks, Intern

Jun 2024 - Aug 2024

- Contributed to video editing, poster design, and website development.
- Assisted in various technical and creative projects, enhancing digital content and user engagement.

#### • The Institution of Green Engineers (IGEN), Volunteer & SDG Researcher

Jul 2022 – Present

- Researched SDGs and contributed to AI-driven community safety projects.
- Developed websites for sustainability initiatives.
- I worked on website development and designed posters for IGEN's digital platforms.
- Organized key projects & events like IGEN MINUSCO2 and ENERGYTHON.

#### • Institution of Engineers (India), Volunteer

Jan 2023 – Jun 2024

- Contributed to poster designs for events and campaigns.
- Organized and managed events like ENVIRONTHON, promoting engineering and technology awareness.

### PROJECTS

#### • [AI Integrated Community Safety Gadgets](#)

- Developed an AI-driven system for community safety, including gas leak, fire, and medical emergency alerts.
- Built an IoT hardware device and a web app for real-time alert communication to the surrounding community. Integrated sensors (e.g., smoke, gas, flame), IoT devices, and communication networks using NodeMcu and Proteus for simulation and hardware testing.

#### • [Stock Price Prediction Using Machine Learning](#)

- Developed a stock price prediction model using LSTM (Long Short-Term Memory) for accurate forecasting, utilizing historical data analysis and machine learning.

#### • [Safe Zone Detection Using YOLO V8](#)

- Built a real-time safe zone detection system for an IBM Hackathon using YOLO V8, integrating components like object detection and image processing for automated safety alerts.

### CERTIFICATIONS

- IBM Certified in Python, Java, Big Data, and Business Intelligence (SkillsBuild).
- CSC Honours Diploma in Computer Application – Completed from 03 Aug 2018 to 03 Aug 2019.
- Microsoft Certified: Azure Fundamentals (2023).
- Participated in Google DevFest 2023 at IIT Madras Research Park.

- IBM Certified in Python, Java, Big Data, and Business Intelligence (SkillsBuild).
- CSC Honours Diploma in Computer Application – Completed from 03 Aug 2018 to 03 Aug 2019.
- Microsoft Certified: Azure Fundamentals (2023).
- Participated in Google DevFest 2023 at IIT Madras Research Park.
- IBM SkillsBuild Hack Challenge 2023 – Certificate of Participation.
- Hack4Health 2023 – HealthTech Innovators Challenge Participant.
- Eco-Activist – National Environment Climate Change Forum (2024).
- Attended technical conferences/seminars at Saveetha, MGR College, Puducherry IEI, ICON'23, and DIODEZ.
- Organized and led sustainability campaigns with MGR IGEN ENSAVCLUB (IGENCYCLE4GREEN, IGENSDBG4MGR, etc.).
- Initiated and organized SDG Ethios Symposium promoting UN SDGs.
- Completed "Youth and Peace Building for Community Leaders" training by URI South India (Kerala, 2024).
- Presented paper at NCICT'24 – Vishwa Pradyog; awarded participation certificate.
- Volunteered at ROBOTZINDIA.in V9.0 (Anna University, 2024).
- Certified Pandit in Hindi – Passed all 9 levels of Hindi proficiency exams.
- XAKAL Course Completed PRE-PLACEMENT TRAINING PROGRAMME.

## AWARDS

---

- Best Organizer Medal – IGEN ENERGATHON 2023.
- IGEN Best Volunteer & Achievement Certificate – MGR IGEN ENSAVCLUB.
- Outstanding Leadership Award – IGEN Annual Day 2023.
- Patent Award – Granted for “AI Integrated Community Safety Gadgets” by Dr. MGR Educational and Research Institute.
- Green Volunteer Award 2024 – Presented by TN Environment Minister at IGEN event.
- G20 Youth Speaker Recognition – IGEN COP YOUTH 2030.
- NPC Student Appreciation Award – For academic excellence and innovation.
- Volunteer Certificate – Dr. APJ Abdul Kalam Satellite Launch Vehicle Mission (Feb 2023).
- Certified Green Leader – Completed 10 Billion Green Leader Academy Course.

## INTERNSHIP

---

- First Internship at College MGR Office Barriers (August 2022); Joint Secretary of MGR IGEN ENSAV CLUB
- Teachnook Internship Completion Certificate (AI Project Completed)
- G Cloud Networks, Intern

## PATENT

---

- Patent Granted – “AI Integrated Community Safety Gadgets” (Application No: 202441007573); final product development completed.

## PUBLICATIONS

---

- K. Thanush, R. Santhosh, et al. “AI-Integrated Community Safety Solutions for Smart Cities: A Study Towards SDG 11”, IEEE, presented and published at the 2024 1st International Conference on Sustainability and Technological Advancements in Engineering Domain (SUSTAINED2024). Paper ID: 435, eCF Paper ID: 838746.
- K. Thanush, R. Santhosh, A. Pious Niranjana, et al., “AI-Driven Smart Safety Framework for Community Protection,” Best Paper Award, IEEE 2025 Int’l Conf. on Data Science and Business Systems (ICDSBS), SRM IST, Chennai, India, Apr. 17–18, 2025. DOI: 10.1109/ICDSBS63635.2025.11031508 | IEEE Xplore, ISBN: 979-8-3315-8560-0 (e)