

# SATHEESH KUMAR S

📍 Coimbatore, Tamil Nadu | ✉ [kit27.agri52@gmail.com](mailto:kit27.agri52@gmail.com) | 📞 +91 90036141068 | [🌐 LinkedIn](#) | [🐙 Git Hub](#)

## EDUCATION

**KIT-KalaighnarKarunanidhi Institute of Technology, India**  
B.Tech. Agricultural Engineering, Pre-Final year  
**Coursework:** Smart Agriculture, Irrigation Engineering, Precision Agriculture, Iot in Agriculture.

2023 – 2027  
Current **CGPA: 8.01/10.0**

## EXPERIENCE

**Harrisons Malayalam Limited – Surianalle Tea Factory an RPG Group (offline)**  
• Gained hands-on experience in tea production using the CTC (Crush, Tear, Curl) process.  
• Learned industrial stages including withering, shredding, fermentation, drying, grading, and packing.  
• Understood quality control practices in large-scale tea manufacturing.

Dec 2024

**COODU – Community Organization for Oppressed and Depressed Upliftment (offline)**  
• Learned how NGOs support farmers by bridging government schemes and private organizations.  
• Gained exposure to rural development initiatives and farmer welfare programs.

May - June 2025

## PROJECTS

**Crop & Weed Canopy Calculation Model**  
• Developed a computer vision–based model to analyze crop and weed canopy coverage in agricultural fields.  
• Used Roboflow for dataset preparation, annotation, and training the detection model.  
• Integrated the trained model into Databricks to calculate canopy coverage percentage and plant density from field images.

Feb 2026

**Animal Detection and Mobile Alert System**  
• Built a wildlife/animal detection system using computer vision.  
• The model detects animals entering farmland and triggers an alert notification to a mobile phone via the Blynk IoT platform.  
• Helps farmers prevent crop damage from wild animals through real-time monitoring.

Mar 2026

**E-Commerce Website – Mugavari Thazhai | HTML, CSS, JavaScript**  
• Built a small-scale e-commerce website integrating WhatsApp for ordering products.  
• Enabled simple and user-friendly ordering flow suitable for small business use.

Link | Dec 2025

## TECHNICAL SKILLS

|                |             |                       |            |
|----------------|-------------|-----------------------|------------|
| QGIS           | IoT         | Arduino               | SolidWorks |
| Roboflow       | Data Bricks | Drone Data Collection |            |
| Remote Sensing |             | Python                |            |

## CERTIFICATIONS & COURSES

|                                               |             |
|-----------------------------------------------|-------------|
| COURSERA - Water Resources Management         | Link   2024 |
| Drone Intelligent System Training – IIT Delhi | Link   2025 |
| FSSAI - Basic Manufacturing                   | Link   2025 |
| NPTEL - Product Design and Manufacturing      | Link   2025 |
| NPTEL - Introduction to Internet of Things    | Link   2025 |

## ACHIEVEMENTS

- Shortlisted for the final round of a 36-hour Hackathon at KIT–CBE, showcasing teamwork and problem-solving skills.
- Solved 500 difficulty-rating practice problems on CodeChef, strengthening logic, patience, and algorithmic thinking.
- I have completed the Salesforce Trailblazer program.
- Shortlisted for Devpost Arm AI Developer Challenge with an AI-based animal detection system, demonstrating applied AI and real-world problem-solving skills.

## VOLUNTEERING

- Volunteered in technical and academic activities, supporting event coordination and participant management.
- Volunteered in college-level events and hackathons, contributing to smooth execution and teamwork.
- Volunteered to help peers complete IoT projects and web pages, providing technical guidance and implementation support.

## Area of Interest

- Farm Automation
- Internet of Things in Agriculture
- Artificial Intelligence in Agriculture