

Kumaraguru R

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Objective

To leverage my knowledge in IoT-based systems, embedded technologies, and AI applications to develop efficient, data-driven agricultural solutions that promote productivity and sustainability in modern farming practices.

Experience

- Fresher

Education

Course / Degree	School / University	Grade / Score	Year
B.tech.,(Agricultural Engineering)	Dhanalakshmi Srinivasan College of Engineering	8.5	2022-2026
SSLC	Sri Ramakrishna Matriculation school	493/500 percentage: 98%	2019-2020
HSC	Mount Park Higher Secondary School	543/600. Percentage: 90%	2021-2022

Skills

- Microsoft Excel
- AutoCAD
- Microsoft PowerPoint
- AI Image Generation
- Embedded System
- Tally
- Accounting Software
- python
- Effective communication
- Microsoft Access
- Front End Development

Projects

- Water Irrigation by Renewable Source Project
- Business Analysis and Process Management
- Smart Irrigation system using RFID
- NDVI-based Rover
- DAIRY FARM MANAGEMENT web app
- Soil Sense web application
- Smart Irritation Assistant

Achievements & Awards

- Sell Your Ideas winner in RIT campus 2025
- Technical Quiz
- India's Mega Techno-Cultural Fest

Publications

- Authored a research paper on [Advanced IoT-driven Automated Irrigation System for Precision Agriculture and Sustainable Water Conservation] published in [2024]
- Authored a research paper [development of low-cost harvesting machinery for small-scale chili and tomato-farmers] published in [2025]

FDP

- ICAR 2nd International FDP on Research Excellence and Global Collaboration: Enhancing Faculty Performance

COURSE COMPLETION CERTIFICATE

- Cybersecurity, Introduction to Cybersecurity Awareness
- Selling online by HP LIFE online course
- Agile Project Management by HP LIFE online course
- Social media Marketing by HP LIFE online course
- Unique Value Proposition by HP LIFE online course
- IoT-Network Specialist Certificate Program by Reliance Foundation Skilling Academy
- Disruptive Methodologies From Conventional Technologies to Green Technologies by Telecom sector skill council
- Kisan Drone Operator by NSDC
- Actor-oriented sustainable seed system development
- Plant Breeding by Telecom Sector Skill Council

WORKSHOP

- Tech-driven agriculture. Bridging innovation and farming under the Regional Agriculture Transformation Training (RATT 2025)
- Drip Irrigation and Smart Water Management in RIT
- Build Your Own Generative AI Model

Internship

- Internship completion certificate in AADIR-Prinav Dairy and Agro Products.



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