
HARISH R

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SKILLS

- Automatic computer aided design
- Proficient in sketch up
- Proficient in MS Office
- Proficient with cultivation tools and irrigation equipment
- Experienced in drone operating
- Hands on experience with smart farming and Precision agriculture.
- proficient with canva .

EDUCATION

- 2019- **10th, Science**, Zion Matriculation Higher Secondary School, Chennai.
- 2021- **12th, Mathematics-Biology**, Zion Matriculation Higher secondary school, Chennai.
- 2025-**B.E, Agricultural Engineering**, SRM Valliammai Engineering College, Chennai.

WORK EXPERIENCE

- **Naresh Associates (Intern), Chennai, June 2024 - July 2024**
Prepared project presentations and reports to assist senior staff. Conducted research for various projects, leading to well-informed decisions and successful outcomes
- **Greenakers Park and landscapes (Intern), Chennai, June 2024 - June 2024**
Gained hands-on experience in landscaping lawns and backyards based on customer suggestion. Explored new technologies and approaches to design landscape projects with AutoCAD.
- **Greene.in (startup), Paranur, June 2025 – Present**
Part of the core team in an early-stage startup initiative focused on agriculture, conducting drone operation research and contributing to the development of a digital platform for livestock trading. Cultivating microgreens and oyster mushrooms using controlled environment techniques, providing agricultural consultancy with farm design support using AutoCAD and SketchUp, and organizing workshops on microgreens cultivation for students and farmers.

PROJECTS

- Main Project- **Smart Apiculture System**, the Bee hive made from PVC board and a controlled environment with the utilization of IoTs and peltier modules to monitor internal hive conditions like temperature, humidity, sound and weight. The smart hive can control temperature as per requirement from a remote place by an application (blynk iot). This hive has a newly designed customizable feeding unit and pest control system with adhesive sheets.

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- Additional Project-**Solar Hydroponics System**, vertical hydroponics tower planting with controlled water quality which includes turbidity pH, TDS level on water, As these parameters play a major role and are monitored by IoTs this model completely runs with solar energy and uses conventional electrical sources. It can also indicate the sudden change in water.
 - Additional Project- **Edible ethylene absorber**, the activated carbons are used as an edible ethylene absorber to slow down the ripening of tomatoes. The powdered charcoal coated on tomatoes to inhibit growth of microorganisms and absorb the gases released by them and helps to maintain freshness of packaged food.

CERTIFICATION

- **06/2025**-IELTS band score of 7.0.
- **08/2024**-Organized the All-India Seminar titled “Advanced Technologies in Agriculture for Sustainable Development and Its Application at SRM-VEC.
- **10/2024**-Presented a paper in the All-India Seminar on the Augmentation of Bio-ethanol and Bio-hydrogen from Organic Waste, organized by IE(I), TNSC.
- **03/2024**- Organized and Participated in Group World Record Ultimate Millet Dosa Extravaganza.
- **04/2024**- Attended the training on Insights from Remote Sensing Data Products at Saveetha University.
- **10/2023**- Organized the All India workshop on the title of Agricultural Entrepreneurship And Sustainable Natural Farming at SRM-VEC.
- **09/2023**- Participated in the All India workshop on Electric vehicles in Agricultural application in India at The Institution of engineers (India).

LANGUAGES

- Tamil
- English
- French

PROFESSIONAL ACTIVITY

- Member of Computer Society of India (CSI).
- Member of SRM Valliammai Robotics Club.
- Member of Institute of Engineers (India) Students’ Chapter.
- 03/2025-Design and Fabrication of Smart Apiculture System – Patent Filed.
- Participated in Project EXPO in SRM-VEC and SCIMIT-25.
- Attended training program on mushroom cultivation and apiculture in Tamil Nadu Agriculture University.

PROFESSIONAL SUMMARY

A dedicated Agricultural Engineer with hands-on experience in research engineering, smart farming, and precision agriculture through internships at Naresh Associates and Greenakres Parks & Landscapes. Proficient in IoT-based automation, environmental monitoring, drone technology, and project planning, with strong skills in AutoCAD and problem-solving. Developed IoT-integrated smart apiculture and hydroponic systems to enhance precision farming and promote sustainable agriculture. Currently working at a company that cultivates micro greens and oyster mushrooms, while also researching a drone-based B2B model for agricultural services, with a focus on automation, soil analysis, and efficiency improvement and creating a platform for livestock trading. Passionate about leveraging technology-driven solutions to revolutionize modern agriculture.