VISHAL S

Agricultural Engineer

Phone: +91 7094328038

Email: vishal.phdfmp2023@tnau.ac.in

LinkedIn: linkedin.com/in/vishal-saravanan-746565224

An ambitious PhD Scholar targeting challenging and enriching full-time assignments in R&D with a reputed organization, seeking a research-oriented role to contribute innovative solutions and advance cutting-edge projects in the sector.

EDUCATION

PhD in Farm Machinery and Power Engineering

TNAU, Coimbatore, Tamil Nadu   Expected graduation: September 2026

- **Relevant Coursework:** Mechatronics and Robotics in Agriculture, Advances in Machinery for Precision Agriculture, R and Python Programming, Fuels and Combustion.
- **Project:** "*Design and development of LIDAR based tractor mounted automatic turmeric precision planter with a low cost mechatronic seed monitoring system*".

MTech in Farm Machinery and Power Engineering

GBPUA&T, Pant Nagar, Uttarakhand   Dec 2021 – Sep 2023

- **GPA:** 8.26/10 (Gold Medallist)
- **Relevant Coursework:** Testing and evaluation of Tractors and Farm Equipment, Design of Farm Power and Machinery Systems.
- **Project:** "*Structural Analysis of Paddy Threshing Drum and Development of Renewable Energy-Operated Paddy Thresher*".
- **Honors and Awards:** Best Poster Presentation Award for Master's Thesis at the 58th Indian Society of Agricultural Engineers (ISAE) Annual Convention, Parbhani, Maharashtra, November 2024.
- **Merit Scholarship:** Secured AIR 17 in ICAR PG exam 2021 and won a Junior Research Fellow (JRF) scholarship of ₹ 12640/month for a period of two years.

INTERNSHIP

Mahindra and Mahindra Pvt Ltd   Jun 2025 – Aug 2025

- Worked as a student intern in the Reliability Engineering team at MRV – Farm Division, Chengalpattu, contributing to Design Failure Mode and Effects Analysis (DFMEA) of tractor tyres and Discrete Element Analysis (DEA) for predicting rolling resistance and tractive performance of tractor tyres.

TAFE - Tractors and Farm Equipment Limited   Jul 2021 – Jul 2021

- Completed 4 weeks online vocational training on "*Tractor Systems and Controls*" and "*Manufacturing of Various Tractor Parts*".

RELEVANT SKILLS

Certified SolidWorks Associate (CSWA)
Dassault Systèmes - C-NMYUG6FC87

AutoCAD

Python, R, Matlab

LANGUAGES

Tamil	-	★★★★★
English	-	★★★★
Hindi	-	★★