

PAUSUIDAULE

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AGRICULTURAL PROJECT MANAGEMENT & GREENHOUSE CULTIVATION SPECIALIST

HORTICULTURE CROP CONSULTANT | HYDROPONICS | EXTENSION | INSTRUCTOR

EDUCATION

Arkansas State University, Jonesboro, Arkansas (August 2022 – May 2024)

Master of Science in Agriculture- Major in Plant and Soil Science

Mewar University, Chittorgarh, Rajasthan (July 2014 - June 2018)

Bachelor of Science in Agriculture- Major in Agriculture

EXPERIENCES

Assistant Director of Farming – (October 2024 – Present)

Arkansas State University – Jonesboro, Arkansas

- Serve as instructor for an undergraduate course by delivering lectures and assessments that improved student engagement in practical agriculture.
- Led greenhouse cultivation training and demonstrations for approx. 20+ students and visitors.
- Plan and allocate resources with farm technicians, ensuring smooth execution of greenhouse crop cycles and field operations.
- Oversee greenhouse facilities and plant production cycles to support academic coursework.
- Oversaw 0.6-acre strawberry cultivation (Var. Chandler), Organize U-pick events that engaged 100+ participants, promoting community engagement in agriculture.
- Assist in field crop operations, including planting and harvesting crops.
- Perform seed quality analysis, calculate seeding rates and manage research plot activities across 7.8 acres to ensure accurate experimental trials.
- Assign and supervise approximately 5 on-campus and volunteer student workers.
- Process cover crops samples for laboratory analysis; consolidate research data in excel, ensuring accurate reporting.
- Optimized resource use by recycling inputs, creating cost-effective and eco-friendly production system.
- Reactivated and optimized greenhouse facilities, initiating full-scale hydroponic and plant production that was previously dormant.

Research Assistant – (May 2023 – September 2023)

Arkansas State University – Jonesboro, Arkansas

- Executed soybean variety trials (Groups 4 & 5) under waterlogging conditions; installed irrigation systems and watermark sensors.
- Conducted seed treatments, germination tests, and soil sampling.
- Isolated and cultured Fusarium and Rhizoctonia fungi in pathology lab for disease research.

Soil Laboratory Volunteer Experience (September 2022 – January 2023)

College of Agriculture at Arkansas State University – Jonesboro, Arkansas

Cover crops research field (12-hectares) at NERREC, Arkansas where the soil samples collected and infiltration. Analysis soil active carbon, soil organic matter and aggregate stability in soil laboratory.

Former Co-founder & Project Head – (October 2020 – March 2023)

Agriteller LLP- Chittorgarh, Rajasthan

- Directed hydroponic and open-field vegetable production projects, including brassicas, bell peppers, tomatoes, cucumbers, and exotic leafy greens.
- Accomplished in effectively fostering, managing, and delegating tasks to a team of over 20 individuals.
- Prepared project proposals and ROI analyses for ~10 projects; secured clients and developed market linkages.
- Achieved 40% profit margin in hydroponic nutrient sales: optimized DFT systems to produce 300–500g

iceberg lettuce during peak summer.

- Successfully grow curly kale and basil during winter to meet the market demand and keep check on black fungus on basil.
- Led a team of 20+ staff, managing training, fertigation, pest control, and climate control systems.
- Developed a hydroponic nutrient recipe that delivers a 50% profit margin per liter while being more cost-effective than market alternatives.

Training Associate – (June 2018 – October 2020)

Institute of Horticulture Technology – Greater Noida, Uttar Pradesh

- Completed 4 turnkey horticultural projects across multiple states, including strawberry, orchid, banana, aromatic plants, and vegetables.
- **Completed more than 20 beneficiary farmers turnkey projects and established a market network in Northeast India.**
- Trained 1,500+ farmers and entrepreneurs in modern horticulture practices, reducing input costs by up to 30%.
- Managed polyhouse production of cucumbers, capsicum, and tomatoes, achieving yields of 3–4 kg per plant in cucumber and 2-3 kg capsicum/plant.
- Led a team of 25 staff, improving project efficiency and successfully completing the vegetable project in Mizoram two months ahead of schedule.
- Oversee end-to-end production of cucumbers, tomatoes, and capsicum in soil, grow bags, grow slab and trough.
- Recruiting staff for respective projects, facilitating weekly meetings, reporting and presentation with senior executives.

INTERNSHIP

Rural Agricultural Work Experience – RAW (Jul 2017 – Nov 2017)

Krishi Vigyan Kendra - Zunheboto, Nagaland

- Oyster mushroom cultivation.
- Rural surveys encompassing of SWOT Analysis and Participatory Rural Appraisal (PRA).
- Identifying and addressing farmers' marketing issues, and addressing challenges.

Industrial Internship – (February 2018 – June 2018)

Saveer Biotech Ltd. – Greater Noida, Uttar Pradesh

Greenhouse technology and assistance in the nanotechnology lab, including testing fungicides with wheat, insecticides with weevils, and culturing *Escherichia coli* and fungi in the laboratory. Constructed different polyhouses model and electrical works.

SKILL

Microsoft Word, Excel, PowerPoint, basic ArcGis, R program & Machine Learning (R-Studio).

LEADERSHIP AND VOLUNTEER ACTIVITIES

Graduate Student Association Member, College of Agriculture, Arkansas State University
Coordinator, Women's Northeast Student Group, Mewar University

Place: Jonesboro; Arkansas

Date: August, 2025