



# KALANA DISSANAYAKA

## FOOD SCIENCE AND TECHNOLOGY

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### PERSONAL PROFILE

I am an Enthusiastic innovative person, who likes to explore opportunities to deliver the best at workplace. I am experienced in Leadership, Data analysis, Data management and People management.

As a dynamic and results-driven professional with extensive experience in Food Science and Technology, Talent management, People management, and Data analysis, I am eager to bring my expertise to your team. My passion for fostering talent and delivering value aligns perfectly with your organization's goals. I am committed to driving success through innovative strategies and collaborative leadership, and I look forward to contributing to our shared vision for excellence.

I am a motivated recent graduate with a background in Food Science and Technology. Eager to apply skills in Food Science and Technology, People management, Consumer relationship handling and grow within a dynamic organization.

### WORK EXPERIENCE

Temporary Demonstrator, Department of Food Science and Technology, Faculty of Agriculture, University of Peradeniya	November 2025 - Present
National Communication Coordinator, National Executive Board, International Association of Students in Agricultural and Related Sciences (IAAS SL) Sri Lanka	December 2025 - Present
Vice President, International Association of Students in Agricultural and Related Sciences (IAAS), University of Peradeniya	January 2024 - May 2025
MXP Manager, Talent Management at AIESEC in Bangladesh	August 2023 - February 2024
Vice President, International Students' Forum, Faculty of Agriculture, University of Peradeniya	February 2024 - February 2025
People Management Specialist, Data Management and Analysis, AIESEC in University of Peradeniya	August 2023 - February 2024
Value Delivery Manager, Incoming Global volunteer, AIESEC in University of Peradeniya	August 2023 - February 2024
People Management Specialist, Talent intelligence, AIESEC in University of Peradeniya	February 2023 - August 2023
Organizing Committee President, BONJOUR 5.0 Summer recruitment, AIESEC in University of Peradeniya	January 2023 - June 2023

Event and Logistics Coordinator, Core committee, AIESEC in Sri Lanka	December 2022 - June 2023
Team Leader, Value Delivery, Incoming Global volunteer, AIESEC in University of Peradeniya	February 2023 - August 2023
Team Member, Value Delivery, Incoming Global volunteer, AIESEC in University of Peradeniya	March 2022 - February 2023
Team Member, People Management, AIESEC in University of Peradeniya	March 2022 - February 2023

## EDUCATION

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<b>B.Sc. (Hons.) in Agricultural Technology and Management</b>	2021 - 2025
Faculty of Agriculture - University of Peradeniya	
<ul style="list-style-type: none"> <li>• Majored in Food Science and Technology (2<sup>nd</sup> Class Upper Division)</li> <li>• Thesis on "Development of AI-Driven Imaging Models to Predict the Correct Harvesting Maturity and Crude Palm Oil Yield in Oil Palm (<i>Elaeis guineensis</i>) Fresh Fruit Bunches"</li> <li>• Pending manuscript publication on "Single Cell Proteins : a valuable source of proteins")</li> </ul>	
<b>G.C.E. Advanced Level Examination</b>	2019
Kegalu Vidyalaya	
<ul style="list-style-type: none"> <li>• Obtained a z score of 1.5104 being the 51st in the Biological Science stream in Kegalle district</li> </ul>	
<b>G.C.E. Ordinary Level Examination</b>	2016
Kegalu Vidyalaya	
<ul style="list-style-type: none"> <li>• Achieved 9 A grades in G.C.E. Ordinary Level Examination</li> </ul>	

## ADDITIONAL INFORMATION

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- **Technical Skills:** Python based AI model development, Microsoft Office, G-Suite, Database Management, Critical data analysis, Event management, Agenda management, Consumer relations
- **Languages:** Sinhala, English, Tamil

## AWARDS AND HONORS

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- **Best Oral Presenter** (Theme - Technological Interventions and Applications in Agriculture) at Faculty of Agriculture Undergraduate Research Symposium (FAuRS) 2025
- **Top 10 Finalist** - 03 Minute Thesis (**3MT**) Competition at Faculty of Agriculture Undergraduate Research Symposium (FAuRS) 2025
- The Most Outstanding Emerging Researcher Nominee at Faculty of Agriculture Undergraduate Research Symposium (FAuRS) 2025
- "**Sharpshooter**" at Academic Air Arms Association (AAAA)
- "**Sharpshooter**" at Sri Lanka Schools Sports Shooting Association (SLSSSA)
- Best iGV VD Talent in AIESEC in University of Peradeniya Nominee - NOVA 2023
- Best iGVer in AIESEC in University of Peradeniya Nominee - NOVA 2023
- Best People Management Specialist in University of Peradeniya Nominee - NOVA 2023
- Deputy Minister of Agriculture, Student Parliament, Kegalu Vidyalaya in 2018

## RESEARCH AND INNOVATIONS

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### Co-Principal Developer - "AI Model" for Predicting Correct Harvesting Maturity of Oil Palm Bunches

Developed **Sri Lanka's first** "Artificial Intelligence (AI) Based Model" capable of accurately predicting the optimal harvesting maturity of oil-palm fresh fruit bunches.

- Potential Impact: Facilitates precision harvesting decisions, minimizes premature or overripe harvesting, and enhances overall yield efficiency.

### Co-Principal Developer - "AI Model" for Predicting Oil Extraction Rate (OER) of Oil Palm Bunches

Designed and the **world's first** "Artificial Intelligence (AI) Based Model" to predict the oil extraction rate from individual oil-palm bunches prior to processing.

- Potential Impact: Enables accurate pre-processing yield estimation, supports mill optimization, and improves production forecasting.

### Co-Principal Inventor - Two Novel Food Product Formulations

Co-developed two innovative food products currently undergoing patent application, focusing on formulation optimization, functionality, and sensory appeal.

- Potential Impact: Demonstrates innovation in functional food product development with high commercialization potential.

## NON RELATED REFEREES

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Prof. R.P.N.P. Rajapakse  
Professor  
Department of Food Science  
and Technology  
Faculty of Agriculture  
University of Peradeniya  
Peradeniya  
Sri Lanka

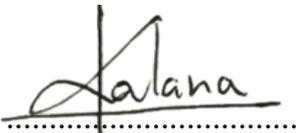
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I, Kalana Dissanayaka hereby declare and certify that the above mentioned and denoted information, and qualifications are true and accurate to the best of my knowledge.



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Kalana Dissanayaka  
2026/02/10