

# KANTHAKA MADUMALKA

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Ganthalawa, Dekinda, Nawalapitiya, Sri Lanka 20650

## PROFILE

I am an undergraduate at the University of Moratuwa, specializing in Transport Management and Logistics Engineering, with a focus on supply chain management and logistics operations. Currently seeking an internship to apply my academic knowledge and skills in a practical setting. An adaptable team player, I excel under pressure while maintaining precision in my work. Driven by a relentless pursuit of goals, I thrive in collaborative environments and leverage strategic problem-solving to achieve success. My passion for optimizing logistics systems and solving real-world challenges positions me as a valuable addition to any team focused on operational efficiency and innovation.

## EDUCATION

- **University of Moratuwa** 2022-2026  
*B.Sc Engineering Honours* Moratuwa, Sri Lanka
  - Specialization: Transport Management and Logistics Engineering
  - Overall GPA: 3.45 out 4.0
  - Dean's List: Semester 4
- **CP/H Ginigathena Central College** 2011-2019  
*Secondary Education* Ginigathena, Sri Lanka
  - G.C.E A/L : - Combined Mathematics : A - Physics : C - Chemistry : C - Z Score : 1.16
  - Ordinary Level: - 8 A's, 1 B

## PROJECTS

- **Semester Project: [Warehouse Design (Ongoing)]**
  - Overview: Designed a comprehensive warehouse layout, covering all key aspects such as internal and external areas, dimensions, and drawings. Upgraded the warehouse into a smart facility by integrating Arduino-controlled forklifts and implementing advanced technologies to enhance operational efficiency.
  - Technologies: Arduino, Tinkercad, C ++
  - Key Areas: Basic Electronics, Designing
- **Semester Project: [Waste Collection System and Processing Centre (Dehiwala-Mount Lavinia Municipal Council)]**
  - Overview: Worked on the Waste Collection System and Processing Centre for Dehiwala-Mount Lavinia Municipal Council, identifying key challenges and optimizing processes. Applied engineering design theories and concepts to develop effective solutions, improving waste management efficiency and addressing critical system issues.
  - Key Areas: Conceptual Designs and Loops, Problem Identification Theories, Problem Solving and Analyzing Techniques
- **Semester Project: [Vegetable Supply Chain in Manin Market (Paliyagoda)]**
  - Overview: Analyzed and optimized the vegetable supply chain at Manning Market, Sri Lanka, by forecasting demand, streamlining delivery routes, and improving product categorization. Implemented data-driven strategies to reduce delays, minimize waste, and enhance the flow of goods from farmers to consumers, leading to improved operational efficiency.
  - Technologies: Power BI, Minitab
  - Key Areas: Operations Engineering, Economics, Principles of Supply Chain, Data Science
- **Semester Project: [SustainEdge SME Accelerator]**
  - Overview: Worked on the "SustainEdge SME Accelerator" project, focusing on advancing sustainability in the supply chain, logistics, and transport operations of Three Star Organic Farm (Pvt) Ltd, an SME in the agriculture sector based in Piliyandala, Colombo. The project aimed to foster innovation and sustainable practices, giving the SME a competitive edge through the accelerated adoption of eco-friendly solutions in their transport and logistics operations.
  - Key Areas: Biomimicry for Sustainable Designs, Industrial Ecology, Circular Economy, Sustainable Transport Systems

## EXPERIENCE

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- **Bank of Ceylon - Intern** Feb 2021 - Aug 2021  
Nawalapitiya, Sri Lanka
  - Six-month Training Period
  - Gained experience in personal banking, scheduling loans, loan recovery, and promotion campaigns
  - **Skills:** Teamwork, Account Management, Customer Relationship Management, Customer Engagement, Inventory Handling, Data Entry (Excel), MS Word, MS PowerPoint
- **Leo Club - Director of Fellowship & Membership Growth** May 2023 - May 2024  
University of Moratuwa
  - Contributed to various projects including the "Leo Padura" project.
  - **Skills:** Team Leadership, Teamwork, Problem Solving, Project Planning, Project Management, Communication, Presentation Skills
- **John Keells Logistics - Mentee** Aug 2023 - March 2024
  - Acquired valuable insights into the industry by engaging with corporate experts during mentoring sessions.
  - **Skills:** Teamwork, Presentation Skills
- **EXMO 2023 University Exhibition - Department Facilitator & Logistics Committee Member** 2023  
University of Moratuwa
  - EXMO is an iconic event of the University of Moratuwa where all undergraduates showcase their learning outcomes through an exhibit. In this event, I worked as an exhibit explainer and logistics committee member.
  - **Skills:** Teamwork, Team Leadership, Route Planning, Presentation Skills
- **Illuminar'23 - Company Coordinator** 2023  
University of Moratuwa
  - Coordinated the participation of LAUGFS Holdings at Illuminar, the annual career fair organized by the Department of Transport Management and Logistics Engineering.
  - **Skills:** Teamwork, Leadership, Team Management

## CERTIFICATIONS

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- **ERP basics with SAP (Ongoing)** 2024
  - University of Kelaniya
- **Project Management (Ongoing)** 2024
  - University of Moratuwa
- **Python for beginners** 2023
  - University of Moratuwa
- **HTML for beginners** 2023
  - University of Moratuwa

## TECHNICAL SKILLS

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- **Programming Languages:** Python, C, R
- **Data Analysis Tools:** R Studio, Power BI, Minitab
- **CAD Software:** FreeCAD
- **Simulation Tools:** SUMO, CUBE
- **Web Technologies:** HTML, CSS
- **Other Tools & Technologies:** Arduino, VS Code, Office 365

## SOFT SKILLS

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- **Project Management**
- **Teamwork**
- **Time Management**
- **Leadership**
- **Critical Thinking**

## EXTRACURRICULAR ACTIVITIES & VOLUNTEER EXPERIENCE

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- **University of Moratuwa** 2022-2026
  - Member of Chartered Institute of Logistics and Transport Sri Lanka (CILT)
  - Member – Society of Transport and Logistics
  - Bass Guitarist - Classical Music Society
  - MORA Scorer - Football Team UOM
- **CP/H Ginigathena Central College** 2011-2019
  - Senior Prefect 2018/2019
  - President of Science Society 2019
  - Sports Captain 2019
    - 800m colour holder-Sir John Tarbet Junior Athletic Meet 2014.
    - Colour holder (School,Zonal,District)- 800m,400m,Triple Jump, 100\*4 , 400\*4
  - Member of School Orchestra
    - All Island Music Competition (Eastern Music) 3rd place.
    - Western and Eastern Music competition winner(Province,Zonal)
- **Other**
  - Diploma in Indian Music- Indian Bhathkandhe Music Both Vocal and Instrumental (violin)
  - Volunteer – Sasnaka Sansada Foundation

## ADDITIONAL INFORMATION

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**Languages:** Sinhala , English , Tamil

**Interests:** Teaching, Designing, Exploring

## REFERENCES

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1. **Prof. Niles Perera**  
Professor in Supply Chain Management  
Department of Transport Management and Logistics Engineering  
Faculty of Engineering  
University of Moratuwa  
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