

UTHAYAPIRIYA UTHAYASEKARAM

FRESH GRADUATE, UNIVERSITY OF MORATUWA



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2nd cross street, Chemmalai,
Alampil, Mullaitivu, Srilanka.
[Uthayapiriya Uthayasekaram](#)

TECHNICAL SKILLS

- MS Office
- Python
- Visual programming(c#)
- Photoshop (basic)
- SUMO
- CUBE
- Gensoft

SOFT SKILLS

- Time management
- Leadership
- Communication skills
- Quick learner
- Critical thinking

LANGUAGES

- Tamil (Native)
- English (Intermediate)
- Sinhala (Elementary)

INTERESTS

- Logistics & Supply chain management
- Land Transport
- Chess
- Hiking
- Music

PROFILE

Motivated Transport Management and Logistics Engineering fresh graduate with practical logistics internship experience and research expertise in transport optimization using Genetic Algorithms. Skilled in data analysis and operational problem-solving, with a strong interest in improving efficiency in logistics and public transport systems.

EDUCATION

UNIVERSITY OF MORATUWA

BSc Eng.Hons in Transport Management & Logistics Engineering (Reading)

MU/CHEMMALAI MAHA VIDYALAYAM

G.C.E. Advanced Level -2020
G.C.E Ordinary Level -2017

EXPERIENCE

LOGISTICS INTERN- ABANS LOGISTICS (PVT) LTD (6 MONTHS)

- Gained hands-on experience across Wharf, Documentation, HR, Accounts, Warehouse, and Customer Service departments.
- Assisted in shipment coordination, cargo handling, and customs documentation.
- Prepared and verified key shipping documents (Bills of Lading, invoices, packing lists).
- Supported HR functions including recruitment, onboarding, and employee coordination.
- Participated in inventory management and warehouse operations using WMS.
- Developed a Succession Planning Project to support organizational continuity.

Tools: Gensoft, Auradocs, MS Office

TRAINEE BANKING OFFICER- BANK OF CEYLON, MULLAITIVU

- Assisted in basic banking operations and customer service activities
- Supported daily financial transactions and documentation handling

INDUSTRIAL EXPOSURE & FIELD VISITS

- Visited **Mattala Rajapaksa International Airport** and observed airport operations, cargo handling processes, and passenger flow management
- Conducted a field visit to **Hambantota International Port Group**, gaining knowledge of port operations, vessel handling, and logistics coordination
- Observed container terminal operations at **Colombo West International Terminal**, including container handling, yard management, and terminal efficiency practices
- Visited **Coats** and studied apparel manufacturing processes, production flow, and quality control systems

RESEARCH

OPTIMIZATION OF BUS TIMETABLING USING A GENETIC ALGORITHM FOR IMPROVED FLEET UTILIZATION AND REDUCED TERMINAL WAITING TIME: (FINAL YEAR RESEARCH)

- Developed a Genetic Algorithm-based optimization model to improve bus scheduling efficiency under real-world operational constraints
 - Focused on multi-objective optimization to maximize fleet utilization and minimize terminal waiting time
 - Collected and analyzed real operational data, including travel time, dwell time, and scheduling constraints
 - Incorporated practical limitations such as driver work rules, depot constraints, and terminal operating hours
 - Designed and evaluated both existing schedule optimization and shift-based scheduling models
 - Achieved significant improvements in operational performance
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PROJECTS

SMART INTERCITY PARCEL DELIVERY SYSTEM (FINAL YEAR PROJECT): (FINAL YEAR PROJECT)

- Designed a same-day intercity delivery model using liner transport, smart stations, and crowdsourced delivery
- Developed web-based prototype with QR tracking and real-time monitoring
- Reduced delivery time (24h → 8h) and manual handling (85% → 10%)

MOBILITY AND FACILITY DESIGN PROJECT

- Developed a dynamic toll pricing model to manage traffic demand
- Proposed an automated toll system to reduce congestion and waiting time

SUSTAINABILITY EDGE PROJECT (SME)

- Identified safety risks in production areas
- Proposed ear protection and heat-resistant gear to improve worker safety

SUPPLY CHAIN DESIGN PROJECT - SUPPLY CHAIN REDESIGN (DILMAH TEA)

- Analyzed and redesigned the Dilmah Tea supply chain to improve operational efficiency.
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ACTIVITIES & VOLUNTEERING

- Senior Prefect (2018–2020) – Mu/Chemmalai Mahavidyalaya
 - Tamil Literary Association, University of Moratuwa – Active Member
 - Organizing Committee Member, PranaPhase-II Blood Donation Campaign 2024 – Assisted in planning and executing the campaign successfully.
 - Volunteer, Various Initiatives:
 - Denof King's Phase-I Chess Competition 2023 – Event support and coordination
 - “Spread Green” Tree Planting Campaign – Community environmental initiative
 - “Feet to Inches” Infrastructure Renewal Campaign – Supported awareness and field activities
 - “Life Harvest” Organ Donation Awareness Campaign – Assisted in promoting organ donation awareness
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PROFESSIONAL AFFILIATIONS

Chartered Institute of Logistics and Transport Sri Lanka - Student Member

REFERENCES

Eng. (Dr.) T.Sivakumar

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Prof. Niles Perera, PhD [Sydney], BScHons (T&LM) [Moratuwa], GradCert [AIB], MIEEE

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