

SAHAN KARIYAWASAM

B.Sc. Eng. (Hons) in Chemical and Process Engineering

PERSONAL

Full Name : Kariyawasam Haputhanthrige Sahan Chinthana Kariyawasam
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Gender : Male
Date of Birth : 17/07/1998
Nationality : Sri Lanka
NIC No : 981990137V

CAREER SUMMARY

I am a highly skilled Chemical and Process Engineer with extensive experience developing industrial processes and designing innovative machinery. Known for strong problem-solving abilities and a creative approach to engineering challenges. Proficient in food, bioengineering, and environmental engineering, with a deep understanding of various industrial processes. Passionate about leveraging technical expertise to optimize operations and contribute to sustainable solutions in the industry.

WORK EXPERIENCE

Trainee Chemical & Process Engineer | Silvermill Group, Loluwagoda Factory Dec 2023- May 2024

- Designed and implemented a coconut oil extraction process from waste coconut milk, optimizing resource utilization and reducing waste.
- Developed a coconut de-shelling process using heating and freezing techniques, improving efficiency.
- Automated the counting conveyor system by integrating a sensor, reducing manual counting errors.
- Designed and optimized a condensate line system for the DC process dryer, enhancing operational efficiency and reducing downtime.
- Created a sterilized waste coconut milk collecting tank placement drawing, improving hygiene and process compliance.
- Conducted static simulation for counter conveyor part, ensuring structural integrity.
- Developed the Piping and Instrumentation Diagram (P&ID) for the DC process line, streamlining process documentation.

Business Promotion Trainee | People's Bank, Nittambuwa Branch

2019- 2020

- Collaborated across multiple divisions, including Business Promotion, Loan Recovery, Savings, and Pawning, gaining hands-on experience in banking operations.
- Actively participated in promotional campaigns, contributing to increased customer engagement and event success.
- Developed strong customer handling and communication skills while assisting clients with financial products and services.

EDUCATION AND CERTIFICATION

Bachelor's degree (B.Sc. Eng (Hons)) | University of Moratuwa

2021-2025

- Final Year Research Project: Recycling Multilayer Plastic Waste with Compatibilizer (Three-layer plastic recycling) 2025
- Final Year Project: Iso Propyl Benzene Separator Distillation Column Design (CDP II) 2025
- Iso-propyl benzene production plant design (Comprehensive Design Project I) Dec 2024
- Fire tube boiler design (Mini project) Oct 2023
- Distillation column designing (Guided project) Jul 2023

Secondary Education | Bandaranayake College. Gampaha. (G.C.E. O/L and A/L Examinations)

2009-2017

Certifications

- Data Analytics for Lean Six Sigma | University of Amsterdam (Online) May 2024
- Six Sigma White Belt | LinkedIn Dec 2024
- Six Sigma Yellow Belt | LinkedIn Dec 2024
- Sustainability Foundations: Core Concepts | Project Management Institution | LinkedIn Jan 2025

TECHNICAL SKILLS

CAD | Solid Works | Aspen plus | Microsoft Office | Spreadsheets | Process Engineering | strategic Thinking | Analytical Skills | Problem Solving | Minitab

PROFESSIONAL DEVELOPMENT

- Waste Water Treatment and Sludge Processing Course | University of Tyumen, Russia Sep – Dec 2024
- Unlock the Benefits of Life Cycle Assessment Webinar | Control Union Inspections PVT LTD Oct 2024
- SOP development session | Silvermill Group Jan 2024
- Stepping Stones' Mentoring Program | Department of Chemical and Process Engineering | University of Moratuwa 2023
- Career guidance program | INSEE Cement Dec 2022
- Information Technology (MS-Office) Course | Future World IPS Apr 2016
- Information Technology (Graphic Designing) Course | Future World IPS Apr 2016

NON-RELATED REFEREES

Dr. Mahinsasa Rathnayake

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I hereby certify that the above indicated particulars of this CV are genuine and accurate.



Sahan Kariyawasam