

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. 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
<ul style="list-style-type: none">Final Year Research Project: Recycling Multilayer Plastic Waste with Compatibilizer (Three-layer plastic recycling)Final Year Project: Iso Propyl Benzene Separator Distillation Column Design (CDP II)Iso-propyl benzene production plant design (Comprehensive Design Project I)Fire tube boiler design (Mini project)Distillation column designing (Guided project)	2025 2025 Dec 2024 Oct 2023 Jul 2023

Secondary Education Bandaranayake College. Gampaha. (G.C.E. O/L and A/L Examinations)	2009-2017
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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

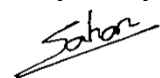
Dr. Mahinsasa Rathnayake

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


Sahan Kariyawasam