

SAHAN KARIYAWASAM

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

PERSONAL

Full Name : Kariyawasam Haputhanthrige Sahan Chinthana Kariyawasam
Name with Initials : K.H.S.C. Kariyawasam
Postal Address : No. 64/2, Muruthawala, Pasyala.
Mobile : +94 77 275 7644
E Mail : karsahan99@gmail.com
LinkedIn : www.linkedin.com/in/sahan-chinthana-kariyawasam
Gender : Male
Date of Birth : 17/07/1998
Nationality : Sri Lankan
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
• 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
- Minitab
- Microsoft Office
- Spreadsheets
- Process Engineering
- Analytical Skills
- Problem Solving

VOLUNTEERING

- EXMO 23' | Department food coordinator and facilitator
- Classical Music Society | Board Member | External affairs coordinator
- Research for You Club | Main graphic designer
- Logo Designer | Department of Chemical & Process Engineering
- Past committee member | Chemical Engineering Student Society

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

Senior Lecturer,
University of Moratuwa,
Sri Lanka.
Phone: +94 70 253 2785
Email: mrathnayake@uom.lk

Eng. Akila Dinuka

Plant Engineering Manager,
S.A. Silva and Sons Lanka (Pvt) Ltd,
Silvermill Group of Companies.
Phone: +94 71 336 6992
Email: akiladinu@gmail.com

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



Sahan Kariyawasam