

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. I am known for my strong problem-solving abilities and creative approach to engineering challenges. I am proficient in food and bioengineering, environmental engineering and have a deep understanding of various industrial processes. I am 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 (30 – 50% coconut milk separation).
- 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.
- Conducted static simulation for counter conveyor part, ensuring structural integrity.
- Developed the Piping and Instrumentation Diagram (P&ID) for the DC process line.

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 15+ promotional campaigns and developed strong communication skills.

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 2025
(Three-layer plastic recycling)
- Final Year Project: Iso Propyl Benzene Separator Distillation Column Design (CDP II) 2025
- Isopropyl 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. 2009-2017

(G.C.E. O/L and A/L Examinations)

Certifications

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

TECHNICAL SKILLS

- Solid Works
- CAD
- Aspen Plus
- Minitab
- Microsoft Office
- Spreadsheets
- Process Engineering
- Analytical Skills
- Problem Solving
- Canva
- Adobe Illustrator

VOLUNTEERING

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

PROFESSIONAL DEVELOPMENT

- Carbon Credit Projects: Evolution, Market Trends, and Opportunities Webinar | Control Union Academy March 2025
- 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

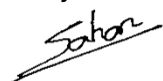
Dr. Mahinsasa Rathnayake

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 declare that the above-furnished particulars are true and accurate to the best of my knowledge.



Sahan Kariyawasam