

ROSHANTHA RUWAN KUMARA

BET (HONS) IN MECHANICAL ENGINEERING



CONTACT

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PERSONAL INFO

- Full Name**
 - A.W.Roshantha Ruwan Kumara
- Date of Birth**
 - 10/10/1999
- Marital Status**
 - Single
- gender**
 - male
- Nationality**
 - Sri Lanka

LANGUAGES

- English (Fluent)
- sinhala (Fluent)
- japanese (beginner)

EXTRACURRICULAR ACTIVITIES

- 1st Dan Black Belt (Shodan)-International Karate Alliance Kyokushin ryu (IKAK) (Full Contact)

PROFILE

I am Roshantha, an Graduate student at the Faculty of Technology, Sabaragamuwa University of Sri Lanka, pursuing a degree in Mechanical Engineering. I am passionate about engineering design, problem-solving, and developing practical solutions through technical knowledge and innovation. I am eager to gain industrial experience and further enhance my skills in the field of mechanical engineering

EDUCATION

- 2021 - 2026
Sabaragamuwa University of Srilanka
Bachelor of Engineering Technology (Hons') (Mechanical)
- 2025
ArchiTech CAD Academy (Autodesk Authorized Training Center)
Diploma in Mechanical Design With Solid works & Fusion 360

WORK EXPERIENCE

- Mechanical Engineering Intern** NOV 2024 - MAY 2025
Sri Lanka Ports Authority, Colombo, Sri Lanka
 - Performed preventive maintenance on port machinery and equipment to reduce downtime and ensure continuous operations.
 - Monitored and analysed equipment performance, contributing to improvements in efficiency and reliability.
 - Strengthened teamwork and technical communication in maintenance operations.

FINAL YEAR PROJECT

- Centrifugal Oil Separator Machine**
 - Developed an innovative centrifugal oil purification system for industrial applications
 - Enhanced oil quality by effectively separating contaminants using density differences
 - Applied ANSYS Fluent simulations for design optimization and performance analysis
 - Validated results through experimental testing
 - Recognized at the Sabaragamuwa University Innovatech Exhibition - **Awarded 2nd Place**

SKILLS

Software Proficiency

- SOLIDWORKS
- AutoCAD

Soft Skills

- Communication Skills
- Teamwork/Collaboration
- Problem-solving
- Adaptability/Flexibility
- Time management Attention to detail

ENGINEERING & TECHNICAL SKILLS

Industrial & Mechanical Skills

- Preventive & Predictive Maintenance.
- Machine Troubleshooting & Diagnostics.
- Pneumatic & Electromechanical Systems.
- Mechanical assembly & fabrication

Manufacturing & Quality Knowledge

- Lean manufacturing principles.
- Process efficiency improvement.
- Safety procedures & risk assessment.
- Mechanical assembly & fabrication

PROFESSIONAL QUALIFICATIONS

■ Bachelor of Engineering Technology (Hons)(Mechanical)

- Sabaragamuwa university of sri lanka SEP 2021 – 2026 JUN

■ Diploma in Mechanical Design With Solid works & Fusion 360

- Architect Cad Academy AUG 2024 – JAN 2025

■ Certificate Course in Advanced PLC and SCADA Systems

- Sri Lanka Institute of Robotics(SLIR) SEP 2023 – MAR 2024

CERTIFICATION

■ 2025

Skill Gate

Certificate course in **Lean Six Sigma Yellow Belt**

■ 2024

International Business Studies Campus(IBS)

Certificate course in **Business Management & Marketing**

■ 2024

International Business Studies Campus(IBS)

Certificate course in English

REFERENCE

Eng. S.V.A.A Indupama

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