



SUBHASH KAVISHAN

Mechanical & Manufacturing Engineering (BSc.Hons.Eng)
Undergraduate in Faculty of Engineering, University of Ruhuna

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Summary

A final-year undergraduate from Faculty of Engineering, University of Ruhuna. An enthusiastic self-starter undergraduate mechanical engineer with proven academic achievements and possess the updated technical knowledge. Have effective communication skills and a team player with intern drive to propel the organization and personal life forward.

Experience

- Trainee Automation and Maintenance Engineer, Ansell Lanka (Pvt) Ltd. Biyagama
- Trainee Mechanical and Manufacturing Engineer, Electro Metal Pressings (Pvt) Ltd. Homagama
- Co-Founder of NexaTech Engineering Solutions
 - Currently engaged in a startup business which provides SolidWorks designing and Ansys Simulation services

Education

- BSc. Mechanical and Manufacturing Engineering (Hons), University of Ruhuna.
- Diploma in English, Sabaragamuwa University of Sri Lanka
- GCE AL 2As & B Sivali Central College, Ratnapura
- GCE OL 9As Ratnapura Mihindu College, Ratnapura

Projects

- Design and fabrication of a Portable Solar Cooker (Final Year Capstone Project)
- Design of an automated solid waste compacting and packing machine (Final Year Design Project)
- Redesign of a solid salt feeding screw for a fluidized salt tank (Industrial Training II)
- Design of a R Pin detector for a conveyor line (Industrial Training II)
- Design and fabricated a modified pneumatic distribution in the production floor (Industrial Training I)
- Collaborated to design and fabricated a water and dust resist Electrical Panel (Industrial Training I)
- Design and fabricated of an automated staircase light system
- Design of a smart traffic controlling machine with image processing

- Design of a centrifugal casting machine
- Design of an automated coffee roasting machine
- Design and analyze the motion of the body of a dragon
- Design of a smart grass cutting machine with low noise

Volunteering

- Committee Member (Editing), Mechanical and Manufacturing Engineering Students' Society
 - ROBAX Workshop 2023 (Collaborated with IEEE RAS)
- Secretary, Ruhuna Engineering Student Chapter of the IESL
 - IESL Day 2024
 - Talk to School Programs (Walasmulla National School, Anuradhapura Central College)
 - CAD Eager 2024
- Editorial Pillar Head, Undergraduate Inventor of the Year 2025, IESL
- Organizing Committee Member
 - Xbotics 2023, Faculty of Engineering, University of Ruhuna
 - CAD Eager Competition, TECHNO 2024
 - MeXellence 2025, Faculty of Engineering, University of Ruhuna
 - Xbotics 2025, Faculty of Engineering, University of Ruhuna
- Workshops
 - SolidWorks Workshop
 - Robotics Workshop
 - PLC Automation Workshop

Professional Skills

- | | |
|-------------------|------------------------------|
| • Solidworks | • Python, C, C++ Programming |
| • Ansys | • Matlab |
| • PLC programming | • Autodesk AutoCAD |

Languages

- | | |
|-----------|-----------|
| • Sinhala | • English |
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I hereby certify that the information provided above is true and accurate to the best of my knowledge.

Referees

Dr. Buddhika Annasiwaththa

Senior Lecturer

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