



# SUBHASH KAVISHAN

Mechanical & Manufacturing Engineering (BSc.Hons.Eng)

Undergraduate in Faculty of Engineering, University of Ruhuna



[Subhash Kavishan](#)



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## About Me

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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.

## Experience

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- Trainee Automation and Maintenance Engineer, Ansell Lanka (Pvt) Ltd. Biyagama (November 2024–February 2025)
- Trainee Mechanical and Manufacturing Engineer, Electro Metal Pressings (Pvt) Ltd. Homagama (October 2023–December 2023)
- Co-Founder of NexaTech Engineering Solutions
  - Currently engaged in a startup business which provides SolidWorks designing and Ansys Simulation services

## Education

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- 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

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- 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

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- Committee Member (Editing), Mechanical and Manufacturing Engineering Students' Society
- 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
  - Event Planning Team Lead - MeXellence 2025, Faculty of Engineering, University of Ruhuna
  - Technical Team Lead - Xbotics 2025, Faculty of Engineering, University of Ruhuna
  - University Category Team - Xbotics 2023, Faculty of Engineering, University of Ruhuna
  - CAD Eager Competition, TECHNO 2024
  - ROBAX Workshop 2023 (Collaborated with IEEE RAS)
- Workshops
  - SolidWorks Workshop
  - Robotics Workshop
  - PLC Automation Workshop
- Sports
  - Chess (School)
  - Gymnastic (School)

## Professional Skills

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

## Languages

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|-----------|-----------|
| • 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

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### Dr. Krishan Wickramasinghe

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### Mr. Shanaka Sandaruwan

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