



DESHAN SAMARATHUNGA

B.TECH In Manufacturing Technology

Personal Information

Name :

Tharindu Deshan
Samarathunga

Date of Birth :

11.05.1997

Gender :

Male

NIC :

971320079V

Nationality

Sri Lankan



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195/B, Thammanepura,
Thambuttegama,
50240, Anuradhapura

EXPERIENCE

- Product Designing and generating 2D drawings using CAD Software's (Solidworks)
- CNC Related Process Planning/programming Tools (SolidCAM)
- CNC Related Machining Operations (CNC Milling, Lathe, laser cutting & 3D Printing)
- Measurement Validations & Reverse engineering Using CMM (Coordinate Measuring Machine) and Profile Projector

ABOUT ME

I constantly strive to expend my learning, knowledge and skills and to achieve organizational goals. I'm being aware of modern technology development that is important to my career and is constantly looking for new challenges. I highly interested in CNC based Manufacturing, CAD/CAM, factory Automation, Maintenance and Management filed.

EDUCATION

University of Vocational Technology, Rathmalana

Bachelor of Technology in Manufacturing
Technology
2019 - 2023

A/Walisinghe Harishchandra College

G.C.E Advanced Level
2018

A/Walisinghe Harishchandra College

G.C.E Ordinary Level
2013

EXPERIENCE

Trainee Engineer at Sri Lanka Government Railway

Rathmalana Workshop 2021 - 03 months

- Operated lathes, milling machines, and grinders under supervision.
- Participated in casting processes, including molding and observing pouring of molten metal.
- Observed forging, welding, and heat treatment processes.
- Gained introductory knowledge of shaping metal using hammer and anvil techniques.
- Learned about safety protocols.

**Trainee Engineer at National Engineering Research
and Development Centre (NERDC) 2021 - 06 months**

- Designed and analyzed engineering models using advanced CAD software.
- Advanced machining operations related to CNC processes, encompassing CNC milling, CNC lathe operations, CNC laser cutting, and 3D printing.
- measurement validation and engaging in reverse
- engineering processes utilizing Coordinate Measuring Machine (CMM)


Soft Skills

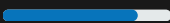
- **Communication** : Delivered presentations on engineering projects to non-technical audiences; wrote comprehensive technical reports
- **Teamwork** : Collaborated with a diverse team on a capstone project, leading to a successful design and implementation of a renewable energy solution
- **Problem-Solving** : Analyzed and solved complex engineering problems using creative and analytical thinking
- **Time Management** : Effectively managed multiple deadlines and projects
- **Adaptability** : Quickly adapted to new software, tools and working environment
- **Leadership** : Experience in leading projects and teams

Computational Tools

- MS Office package
- Solidworks
- SolidCAM
- Bodor CNC
- CURA Ultimaker
- Rational DMIS
- MatLab

Languages

sinhala 

English 

CERTIFICATES

Programmable Logic Controller Systems for Advance Control - 100 hours training course

Department of mechatronics Engineering
National Engineering Research and Development
Centre of Sri Lanka

CAN Based Advance manufacturing Operations - 01 Month Workshop

Department of mechatronics Engineering
National Engineering Research and Development
Centre of Sri Lanka

RESEARCH/PROJECTS

Development of Biochar Reinforced Low-Cost Roofing Sheet Using Earth Soil & Cement

Department of Mechanical Engineering
National Engineering Research and Development
Centre of Sri Lanka

Designing of Deflection Measuring Testing Rig for Electric Scooters

Technology Incubator - Manufacturing Centre
National Engineering Research and Development
Centre of Sri Lanka

MEMBERSHIPS

Student Member - Institute of Electrical and Electronics Engineers (IEEE)

Membership ID : 97246636

Student Member - Institution of Mechanical Engineers (IMECH)

Membership ID : 80502739

NON RELATED REFEREES

Dr. RavindraKoggalage

Dean/Senior Lecture
University of Vocational Technology, Rathmalana
Email : koggalage@yahoo.com
Mobile : 0777234239)

Dr. JayalalWettasinghe

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