



PRABUDDHA JAYASEKARA

BSc. Engineering (Hons) in Mechanical and Manufacturing Engineering

☎ Phone : 0715891391

🐙 GitHub: Prabuddha Jayasekara

✉ Email: jayasekara9424@gmail.com

in LinkedIn: Prabuddha Jayasekara

📝 Blog: <https://medium.com/@p.chathuranga1994>

PROFILE

An innovative, creative and trusty person, who is eager to engage in innovative engineering works and find solutions to complex engineering problems by using modern trends of technology. A rapid learner, strong multitasking person, team player and a person with good leadership and communication skills who can perform well in an individual work environment or in a team. Professional goal is to be a well qualified and innovative software Engineer and use my knowledge for the betterment of the society .

KEY SKILLS

- 🔧 **Languages and Technologies :**
 - Python, HTML, CSS, JavaScript, Angular
- 🔧 **Controlling and Automation :**
 - PLC
- 🔧 **Design Tools :**
 - AutoCAD 3D, Autodesk Inventor, SOLID WORKS, SOLID CAM
- 🔧 **Electronics :**
 - Arduino, Proteus, DipTrace
- 🔧 **MS Office Tools**

INTERESTS

- ♥ FULL STACK WEB DEVELOPMENT
- ♥ PROGRAMMING
- ♥ AUTOMATION
- ♥ ROBOTICS
- ♥ CONTROL ENGINEERING
- ♥ ELECTRONICS
- ♥ MECHANICAL DESIGN
- ♥ SPORTS

EDUCATION

2016 – 2022

BSc. Engineering (Hons) in Mechanical and Manufacturing Engineering

Graduated from Faculty of Engineering, University of Ruhuna, Galle

October 2022

Python for Beginners (Verification code: SB9VaoYUug)

Verification URL : <https://open.uom.lk/verify>

Department of Computer Science & Engineering

Faculty of Engineering, University of Moratuwa

Course Content : (Python Basics, Python essentials, Software Development Process, Practice sessions)

December 2022

Web Design for Beginners (Verification code: qEFTUrFUrX)

Verification URL : <https://open.uom.lk/verify>

Department of Computer Science & Engineering

Faculty of Engineering, University of Moratuwa

Course Content : (HTML, CSS, JavaScript, Designing web application basics)

January 2023

Python Programming (Verification code: GkxH43Jb0A)

Verification URL : <https://open.uom.lk/verify>

Department of Computer Science & Engineering

Faculty of Engineering, University of Moratuwa

Course Content : (Data Structures, OOP, Database Basics, XML, JSON, API, Machine Learning Basics, GitHub)

Present

Front-End Web Development

Department of Computer Science & Engineering

Faculty of Engineering, University of Moratuwa

Course Content : (jQuery, AJAX, Angular)

2010 – 2013

Advanced Level

Ananda Sashtalaya National School, Mathugama

2000 – 2010

Ordinary Level

Walagedara National School, Walagedara

EXTRA CURRICULAR ACTIVITIES

- 🏆 Representing University Carrom Team (2019)
- 🏆 Committee member of Marvel Crew Innovation and Entrepreneurship Club, Faculty of Engineering, University of Ruhuna (2019)
- 🏆 Representing University Volleyball Team and Faculty Carrom Team (2018)
- 🏆 Representing Faculty Volleyball Team (2017-2021)
- 🏆 Treasurer of the divisional secretariat Youth Council (2016)
- 🏆 President of the School First Aid Society (2009)
- 🏆 Participated MAS ECO GO BEYOND SCHOOLS SUSTAINABILITY AWARDS (2008 & 2009)

ACHIEVEMENTS

- 🏆 Member of the runners up team of Carrom in Sri Lanka University Games (2019)
- 🏆 University Color holder for Carrom (2019)
- 🏆 Participated in Xbotix (2019)
- 🏆 Participated CAD Eager (2019)
- 🏆 Member of the Champion team of Carrom in Faculty meet (2018)
- 🏆 Member of the second runners up team of Volleyball in Faculty meet (2018)
- 🏆 Member of Champions team of Volleyball in Faculty meet(2017)
- 🏆 Member of Runners up team of the MAS ECO GO BEYOND SCHOOLS SUSTAINABILITY AWARDS (2008 & 2009)

EXPERIENCE

January 2022 – July 2022

Design engineer - CAD Lanka Engineering Pvt Ltd

- Electro Mechanical Design for Electrify Railway Industry in Europe
- 2D and 3D CAD drawings
- 3D modelling and visualization

June 2021 – September 2021

Trainee Maintenance Engineer – Hayleys Fabric PLC

- Involved in maintenance works occurred in
 - Boilers Section
 - Bio mass section
 - Thermic Heater section
- Created an app to generate maintenance remainder emails

January 2019 – April 2019

Trainee Engineer in Automobile, Manufacturing and Production

Sri Lanka Air Force Base

- Mechanical Transport Repair and Overhaul Wing (MTR & OW)
 - Engine Bay
 - Defender Bay
 - Body and Frame Bay
- General Engineering Wing (GEW)
 - Designing and Machining

PROJECTS

2021

Design and assemble of control and monitoring systems for the machine designed for conversion of waste plastic into hydrocarbon fuel

This was my final year undergraduate project and it aimed to control and monitor the controlling parameters of continuous pyrolysis plant with the aid of PLC.

2021

Developing an Adaptive audio-visual cue system for Parkinson's patients

This project was aimed to improve the gait of Parkinson patients through audio & visual cues. A wearable device was implemented and ML algorithms were used

2020

Designing and making image recognizable robot

The objective of the project was to design an image recognizable robot with the combination of Raspberry pi and Arduino.

2019

Designing and making of a 3D printer

A DIY 3D printer was designed and constructed using Arduino

2019

Designing and making Arduino gesture controlled robot

This project was aimed to design a robot which is controlled by hand gestures with Arduino

PERSONAL INFORMATION

Name

Hetti Arachchige Prabuddha Chathuranga
Jayasekara

Birthday

24.09.1994

Gender

Male

Residence

Liyannawaththa

Nationality

Sri Lankan

REFREES

Prof. H.C.P. Karunasena

Senior Lecturer,

Department of Mechanical and

Manufacturing Engineering,

Faculty of Engineering,

University of Ruhuna,

Hapugala, Galle

Sri Lanka

Mob : +94718481683

Email : chaminda@mme.ruh.ac.lk

Web : mme.eng.ruh.ac.lk

Eng. Leel Karunarathna,

Senior Software Engineer,

Swivel Tech

Mob: +94777926073

Email: leel@swivelgroup.com.au

2019

Designing and making an Arduino drone

This project was aimed to make a drone by using Arduino

2018

Designing and Implementation of a CNC 2D Printer

From this project, it was aimed to design and implement an affordable CNC 2D printing machine which can be used to logo design and PCB design

2018

Designing and making a RC Plane

This project was aimed to design a RC Plane which can be fly according to transmitter input

2017

Designing a space saving and multi-tasking iron board

This project was aimed to design an iron board which can be kept even in a small space as well as a multi-tasking table.

2017

Designing a Working Table for hostel room

This project was aimed to develop the current working table available in hostel by moderating with new concepts such as adjustable height and the angle

MEMBERSHIPS

Member, Institution of Engineers, Sri Lanka [IESL]

Member, Mechanical and Manufacturing Engineering Society (MMES), Faculty of Engineering University of Ruhuna

Member, Institution of Mechanical Engineers United Kingdom (IMechE [UK])

CONCLUSION

I hereby certify that the above mentioned particulars are true and accurate to the best of my knowledge

Prabuddha .

26.01.2023

H.A.P.C.Jayasekara