



# SHANILKA ARIYARATHNE

## MECHATRONICS ENGINEER

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## PROFILE

- I am an open-minded individual with strong technical skills as well as excellent interpersonal skills. I have developed mature and responsible approach for any task that i undertake, or situation that i am presented with.

## EDUCATION

### **B.Tech Specialized in Mechatronics (Under Graduate)**

- Uva Wellasassa Univrsity of Sri Lanka

### **Diploma in Computer Hardware Engineering**

- Kosmotech International Sri Lanka

### **Secondary education**

- D.S.Senanayake Collage Colombo

### **Primary Education**

- President Collage Homagama

## INTEREST

- Robotics and Automation
- 2D/3D Designing (Graphic , Mechanical , PCB)

## SKILLS

### **Technical Skills**

- CAD (SolidWorks , Blender, Autocad)
- PCB Designing (Flitzing, PCB vizard)
- Micro Controller Programming
- Statical Analyzing (Minitab)
- Mathematical Modeling and simulation (Matlab)
- Graphic Designing (CorelDraw)

### **Team Work**

- Confident when working in groups

### **Problem solving**

- Able to deal with problems calmly and efficiency

## PROJECTS

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### **Vertical Dispenser packaging machine**

- for Unilever SriLanka

### **Mushroom Bag filling Machine (Ongoing)**

- For a small scale mushroom farmer

### **Industrial robot manipulator (Ongoing)**

- For DSI Damsons group

### **Wave Energy Converter**

- Attenuator WEC device

### **Pick and Portage machine**

- project for MAS Kreedaa.

### **Smart Home Design**

- Wire less , Voice Controlled

### **Line Follower**

- Used pic 16f877A/Arduino Mega , Simple maze solver

### **PIC development board**

- Used pic16f877A , Included the programmer and Power supply

### **Multilayer sign board**

- Designed and manufactured using CNC machine.

## EXTRA-CURRICULAR ACTIVITIES

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### **Chair of IEEE UWU Student Branch**

- Year (2017/2018)

### **Secretary of Robotic and Automation society UWU**

- Year (2017/2018)

### **Secretary of Radio Electronic associan of D.S.Senanayake collage**

- Year (2012/2013)

### **Member of University Swimming Team**

- SLUG 2016
- Inter University Games 2017

### **Member of Karate club of D.S.Senanayake collage**

- Brown Belt Holder

### **President of Sisara youth club - Mullegama**

- Year (2012/2013)

### **Head prefect of the Sri Sucharithodaya Sunday School - Mullegama**

- Year (2011/2012)

# PERSONAL

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## Full Name

- Yaman Sapuge Shanilka Ariyaratne

## Gender

- Male

## Date of Birth

- 26/02/1994 - (age 24)

## Contact Details

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# REFERENCE

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## Mr.Chinthaka Amarasingha

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- I hereby certify that the information provided above are true and accurate to the best of my knowledge.

Thank you.  
Yours faithfully.



Shanilka Ariyaratne.