

# Esala Senavirathne

No 21/6, S.De.S. Jayasinghe Mw, Kohuwala,  
Nugegoda.

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## Summary

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- Profile : Male, Single
- Nationality : Sri Lankan
- Language skills : English, Tamil
- DOB : 15th of May, 1985
- Skills : **Mechatronic systems design with embedded electronics and mechanical knowledge, Extensive Knowledge of Mechanical system design with Solidworks, Sound knowledge of C, PIC/Arduino (AVR) programming, PLC Step 7, Eagle PCB Designer and circuit designing, Festo™ fluid simulator, Proteous Simulator, MS Office, Corel Draw, Photoshop**

## Projects

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|--------------------|---|---------------------------|
| Individual project | <b>Uva Wellassa University</b>                                    | <b>Badulla, Sri Lanka</b> |
|                    | – Distance measuring Dura wheel design and implementation         |                           |
| Final thesis       | <b>Uva Wellassa University</b>                                    | <b>Badulla, Sri Lanka</b> |
|                    | – Autonomous distance measuring vehicle design and implementation |                           |

## Work Experience

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|--------------------|------------------------------|------------------|
| May 2016 - Present | <b>Trident Lanka Company</b> | <b>Sri Lanka</b> |
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*Technical Support Engineer*

This company is active in Information Technology sector.

I am responsible for,

- Troubleshoot, repair software and hardware problems on PCs, scanners and printers and Supported IT Projects with end-to-end system solutions.
- Consulted individuals and groups on computer equipment needs and recommended upgrade options
- Mechanical system design with solidworks.
- Software file creation (Corel Draw, Photoshop, and MS Office).

**My main achievements in this job include:**

- Mechanical system design with solidworks and other Technical stuff

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|-------------------------------|-----------------------------|---|
| February 2015 - November 2015 | <b>ZPMC Company Limited</b> | <b>CICT, Port of Colombo, Sri Lanka</b> |
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*Assistant Electrical Engineer*

This company was active in Electrical/Electronic and Mechanical system installation and maintenance for Colombo International Container Terminals (CICT), Colombo Port. Reporting to the CICT management;

I am responsible for,

- Developing integration plans for electronic systems, electronic component validation and specification.
- Coordinate engineers for minimize the machines downtime (QC, RTG).
- Attending to electronic system installations for Cranes (RTG and Quay Cranes, Spreaders).
- Harbor yard Vehicle management , Employee administration and Annual KPI management
- Procurement for engineering goods for engineering department.
- Daily harbor machine allocation planning report generation.
- Process creation for engineering goods issuance.

**My main achievements in this job include:**

- Technical hands on experience

September 2013 -  
December 2014

**Neth Computers Pvt Ltd**  
*Technical Support Engineer*

**Sri Lanka**

This company was active in plate printing using Kodak plate printers and sales.

I am responsible for,

- Troubleshoot, repaired software and hardware problems on PCs, scanners and printers
- Consulted individuals and groups on computer equipment needs and recommended upgrade options
- Support and deploy Windows XP, Microsoft Office and other office environment software
- Software file creation (Corel Draw, Photoshop, and MS Office).

**My main achievements in this job include:**

- Technical hands on experience

May 2012 -  
July 2013

**Data Management Systems Pvt Ltd**  
*Executive - IT Support Engineer*

**Colombo 07, Sri Lanka**

Perform 24/7 support for Executives and their staff with complete PC, peripheral, PDA, and office and home network support

Reporting to the Group manager, I was responsible for;

- Automated Teller Machines installation and maintenance
- Hardware and network errors troubleshooting
- Helpdesk support and customer service.
- **Special Projects** : Fraud card reader detection system installation
- Troubleshoot, repaired software and hardware problems on PCs , CPUs and printers
- Supported IT Projects with end-to-end system solutions
- Consulted individuals and groups on computer equipment needs and recommended upgrade options
- Support and deploy, Windows 2000, Windows XP, Microsoft Office and other office environment software
- Built and configured customized machines for new hires and replacements for existing users.
- Developed creative solutions & workarounds for complex IT issues to minimize client downtime - Field Engineering Service
- Repaired and fostered great client relationships.

**My main achievements in this job include:**

- Hands on experience in electro mechanical systems and field engineering

## Undergraduate Training

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July 2011 -  
September 2011

**South Asia Gateway Terminals Pvt Ltd**  
*Trainee Engineer*

**Port of Colombo, Sri Lanka**

This company was active in marine cargo handling. Functions using Quay Cranes, Rubber tire gantry cranes.

Reporting to the Group supervisor, Hands on experiences;

- Electronic and Mechanical systems design and installation
  - **Electronic – Vehicle tracking under the QC**
  - **Mechanical – Silu gate mechanical design and drawing creation**
- PIC microcontroller programming and system design
- PLC programming
- Workshop arrangement
- Fire alarm installation

**My main achievements in this job include:**

- Hands on experience in electro mechanical systems

## Education

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August 2007 - December 2011	<b>Uva Wellassa University</b> <i>Bachelor's degree in Electronics (Specialized in Mechatronics)</i>	<b>Badulla, Sri Lanka</b>
	Major; <ul style="list-style-type: none"><li>- <b>Electronics engineering , Embedded systems designing</b></li><li>- <b>Mechanical system design and implementation (Solidworks)</b></li><li>- <b>Electro Mechanical System design and Implementation (SolidWorks)</b></li><li>- <b>Process Automation and Maintenance</b></li><li>- <b>PLC programming (Ladder Logic)- Siemens Step 7</b></li><li>- <b>Microcontroller programming with C (PIC and Arduino)</b></li><li>- <b>Production Technology, Production/Process management</b></li></ul>	

## Sports and Certifications

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June 2001 -	<b>K.B. Rathnayaka College</b> <i>School senior prefect</i>	<b>Anuradhapura, Sri Lanka</b>
December 2007 -	<b>Uva Wellassa University</b> <i>Won "Best effort individual tag"</i>	<b>Badulla, Sri Lanka</b>
March 2008 -	<b>Uva Wellassa University</b> <i>Annual cricket festival – second place</i>	<b>Badulla, Sri Lanka</b>
April 2013 -	<b>Data Management Systems Pvt Ltd</b> <i>Inter location cricket festival – first place</i>	<b>Colombo, Sri Lanka</b>

## Other Achievements

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April 2013	<b>Colombo International Nautical and Engineering</b>	<b>Malabe, Sri Lanka</b>
June 2013	<b>College</b> <i>Junior Electrical Engineer</i>	

## Non Related References

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<b>Mr. Dammika Chandrasena</b> Consulting Engineer Eye Road Project, Galle. Tel: 077 321 8659 Email: dhammikac.galle@gmail.com	<b>Mrs. M.M.S.N. Premathilaka</b> Lecturer, Faculty of Science and Technology, Uva Wellassa University, Sri Lanka. Tel: 0714440368 Emails: saranganethmi@yahoo.com	<b>Ranidu Laksiri</b> Procurement Officer, CICT Pvt Ltd, Port of Colombo, Tel: 0766666803 Email: ranidu.laksiri@cict.lk
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I do hereby certify that the above given particulars are true and accurate according to the best of my knowledge.



Esala Senavirathner