



# RANDULA ALAHAKOON

## Mechanical Design Engineer

Dynamic and creative engineering professional with over 3 years of experience in mechanical design engineering. Highly skilled at developing and testing mechanical equipment, creating detailed models and drawings, and managing the development process of multiple projects. Enthusiastic about machine designing and passionate about pushing boundaries in innovative engineering solutions.

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Mahara, Kadawatha.  
11850

Name in Full:  
Don Nipuna Randula Alahakoon

Date of Birth: July 08, 1994

Nationality: Sri Lankan

### SKILLS

- Mechanical Design and Analysis
- Finite Element Analysis (FEA)
- Stress Analysis
- Design for Manufacturing (DFM)
- Design for Assembly (DFA)
- Geometric Dimensioning and Tolerancing (GD&T)
- CAD modeling
- MS Office

### COMPETENCES

- Project Management
- Excellent verbal and written communication
- Effective problem-solving skills

### LANGUAGES

English | Excellent  
Sinhala | Native

### EDUCATION

Curtin University, Perth, Australia.  
Bachelor of Engineering (Hons.) in Mechanical Engineering | 2015-2019

Royal College, Colombo, Sri Lanka.  
GCE Ordinary Level | 2010  
GCE Advanced Level (Mathematics Stream) | 2014

### WORK EXPERIENCE

USS Engineering (Pvt) Ltd, Ja-Ela, Sri Lanka.

Acting Factory Manager | April 2022 – present

- Coordination of manufacturing processes.
- Developing production schedules and allocating resources.
- Overseeing cost efficiency measures.
- Overall supervision the function of equipment.

Mechanical Design Engineer | October 2021 – present

- Designing & developing mechanical components for new products.
- Preparation of detailed drawings, specifications, & 3D modeling.
- Managing engineering documentation; BOMs, drawings, test plans.
- Stress analysis and engineering calculations.
- Implementing cost-saving initiatives.
- Coordinating and collaborating with stakeholders.

Tendering Engineer | September 2020 – October 2021

- Analyzed engineering drawings, specifications, and project documents.
- Determined costs associated with materials, labor, equipment, and transportation.
- Oversaw the complete tendering process.

Nikini Automation Systems (Pvt) Ltd, Kirulapone, Sri Lanka.

Trainee Engineer | November 2016 – February 2017

- Hands on experience in fabrication techniques.
- Developed strong drawing skills for precise sketching and part diagrams.
- Gained extensive knowledge of GD&T and manufacturing processes.
- Site work such as machine assembling and after services.
- Produced detailed CAD models and drawings.

### REFERENCES

Mr. Uditha Dharmakeerthi  
Lecturer,  
Sri Lanka Institute of Information Technology.  
Data Communication Expert,  
Deloitte Consulting.  
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Mr. Geeth Bandara  
Project Engineer,  
The Overseas School of Colombo.  
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