

# Ashwin Kumar Venkatesan

Mechanical Engineer



## CONTACT

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## TECHNICAL SKILLS

ISO 13485

SolidWorks, AutoCAD,  
CREO

Odoo

Power BI

Documentation writing

Problem investigations

MS Office

MATLAB

Simulink

I am working as a mechanical engineer at Reboocon Bionics, where I operate in compliance with ISO 13485 standards. My role entails overseeing the production, repair, and maintenance processes of prosthetic devices. Utilizing CAD software, I design various components for our product, along with creating and fabricating production tools. My responsibilities also include performing investigations and documenting any non-conformity.

As the most senior engineer, I have the responsibility of maintaining documentation (SOPs, etc) as well as training new personnel. I investigate and perform root cause analysis on the prosthetics to troubleshoot and ensure GMP compliance.

## EXPERIENCE

Jan 22

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### Reboocon Bionics Mechanical engineer Delft, Netherlands

- Ensured GMP standards were maintained
- Trained new team members on production procedures
- Adhered to ISO 13485 Standard in all engineering activities
- Led weekly production meetings
- Wrote and implemented procedures (SOPs)
- Worked in multidisciplinary teams to improve the manufacturing process and inventory management
- Performed root cause analysis, lead CAPA actions
- Gained practical knowledge of Lean Six Sigma and Kanban Scrum
- Designed and set up the Odoo ERP system
- Validated the QMS system (Matrix req.)
- Continuous Improvement and Risk management

Feb 21

-

Sep 21

### Instituto Superior de Agronomia Research intern- Master thesis project Lisbon, Portugal

- Developed a forest fire prediction model using complex real-time satellite data sets.

# Ashwin Kumar Venkatesan

Mechanical engineer

## LANGUAGES

English ●●●●●  
Tamil ●●●●●  
Dutch ●●●○○

## PROFESSIONAL SKILLS

Team player  
Motivating  
Fast learner  
Versatile

## Keywords

ISO 13485  
Lean six sigma  
CAPA  
Root cause analysis  
ERP system (Odoo)  
Continuous Improvement  
Lean six sigma  
GMP  
Risk management

## EXPERIENCE CONTINUED

May 18  
-  
Dec 18

### Renault Nissan Automotive Quality Engineer

Chennai, India

- analyzed the Quality of tools and machines
- Investigated the root causes of quality issues, and implemented corrective and preventive actions to address them.
- Worked in cross-functional teams on supply chain management

## EDUCATION

2019

-

2021

### HAN University of Applied Sciences

(Arnhem, Netherlands)

#### MSc: Engineering systems

Courses:

- Applied Control,
- System modeling,
- Intelligent mobility,
- big data and small data

Projects:

- Designed an active suspension for the ambulance (Iveco) used in Rijnstate Arnhem
- Created a simulated environment with ADAS on Truck for Scania Arnhem using Simulink
- Developed a real-time data model to predict the Air Quality Index in Gelderland Netherlands

2014

-

2018

### Anna University (India)

#### Bachelor of Engineering: Mechanical engineering

- Engineering Mechanics
- Fluid Mechanics and Machinery
- Manufacturing Processes
- Measurement Techniques, Instrumentation, Calibration
- Machine Design
- Heat and Mass Transfer
- Industrial Engineering
- Properties and Selection of Materials, Material Testing
- From the knowledge gained on the course developed a polymer with increased strength properties