

# Hayakkiri M

“ Design Engineer ”

| mhayakkiri@gmail.com | 9894115608 | Coimbatore | hayakkiri.onrender.com |

## Profile Summary

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Dedicated Mechatronics Engineering professional with industry experience in Supplier Quality Assurance (SQA) and assembly line operator at TVS Group companies. Proficient in SolidWorks, AutoCAD, GD&T, and Quality Control tools, with strong expertise in interpreting engineering drawings and manufacturing standards. Passion to build a successful career as a Design Engineer by applying technical skills and creativity.

## Work Experience

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### Brakes India | “ Assembly line Operator ”

Sep, 2021 - Mar 2022

Worked as assembly line operator in the Tandem Master Cylinder (TMC) department, assembling components to precise specifications and conducting functional testing to ensure working standards.

### Wheels India | “ Quality Inspector ”

Nov, 2022 - May 2023

Performed inspections of incoming materials in the Supplier Quality Assurance (SQA) department, utilizing QC tools such as calipers, micrometers, gauges, and other precision instruments for dimensional verification. Maintained accurate QC documentation to ensure compliance with quality standards and requirements.

## Internship Experience

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### Thalir Automations

12 May, 2025 - 11 Jun, 2025

Learned knowledge in various stages of Special Purpose Machine (SPM) development at an automation company, learning about the intricacies of Departments Design, PPC, process, purchase, machine shop, quality control, assembly, and electrical aspects.

### G.K Engineering Works | Manufacturing / Core

06 Feb, 2024 - 20 Feb, 2024

Developed experience in basic CNC machine operation for precision manufacturing processes. Learned and performed machining operations on slotter machines to align the key on shafts.

### Harsha CNC | Manufacturing / Core

10 Jul, 2024 - 20 Jul, 2024

Enhanced expertise in operating Vertical Machining Centers (VMC) and Horizontal Machining Centers (HMC), focusing on tool setup and machining operations. Developed an understanding of lathe processing and tool usage.

## Project

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### Autonomous Rover

Sep, 2024 - Nov, 2024

The project named as AUTONOMOUS ROVER, a kind of Mobile robot, which can automatically move and can detect obstacles, take decision where to move and moves accordingly. It can be used for various applications like Surveillance in base monitoring for industrial applications and surveillance on warehouses.

## Technical Skills

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SolidWorks, Auto Cad, GD & T, Familiar in Engineering Drawing, QC tools handle, QC Documentation, CNC operating (Beginner).

## Soft Skills

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Adaptability, Time management, Problem Solving

## Education

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### Sri Krishna College Of Engineering and Technology

2023 - 2026

BE - Mechatronics Engineering  
CGPA : 7.38

### Kongunadu Polytechnic College

2018 - 2021

Diploma in Mechanical Engineering  
Percentage : 92%