



# RISHIKESAVAN RAMESH

## Mechatronics Engineer

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📍 Salem, Tamilnadu

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🌐 rishikesavan-ramesh

🐙 RishikesavanRamesh

## STRENGTHS

C Programming

CAD

Control Systems

Emacs

LaTeX

Linux

Matlab

PCB design

PLC

IOT

Python

ROS1

Sh

UI/UX

Communication skills

Critical thinking

Strategy

Technical writing

Teamwork

Troubleshooting

## LEARNING

Cybersecurity

Japanese

Computer forensics

OSINT

Linux System Administration

FEA

CFD

ROS2

## LANGUAGES

Tamil: **Native**

English: **Intermediate**

Japanese: **Beginner / N5**

## ABOUT ME

*A dynamic and motivated individual with a passion for Linux and technology, driven by a desire to solve complex problems. Always striving to learn and improve, with strong communication and teamwork skills.*

## EXPERIENCE

### Graduate Innovation Engineer Trainee | Forge Innovation and Ventures

📅 Oct 2022 – Feb 2023

📍 Coimbatore, Tamilnadu

- Exposed to work environment in organisations.
- Participated in workshops on PCB designing, UI/UX, Web development, ROS, PLC, NI LabVIEW, and IoT.
- Collaborated with teams to apply learned skills and knowledge to develop minimum viable prototypes for startups.

### Operational Engineer Trainee | Rane Engine Valve Limited

📅 June 2022 – June 2022

📍 Trichy, Tamilnadu

- Ensures the smooth functioning of complex systems and processes, and works to improve their efficiency and effectiveness.
- Monitors, troubleshoots, and maintains various types of equipment and technology, while also implementing safety measures and protocols.

## EDUCATION

### B.E. Mechatronics | Dr. MCET

📅 Aug 2019 – May 2024

📍 Pollachi, Tamilnadu

- CGPA: 9.76 (currently)

## PROJECTS

### DeepInspect | 🐙 | 🌐

📅 Nov 2022 – Jan 2023

- Developed a Raspberry Pi-based system with image processing techniques and laser points to aid in depth perception for monitoring and accurately identifying the size of cracks in underwater structures using a Pi cam.

### NOverSpeed | 🐙 | 🌐

📅 Mar 2022 – May 2022

- Matlab simulation of vehicle behavior and accident analysis, demonstrating the importance of avoiding over-speeding for better accident avoidance.