RISHIKESAVAN RAMESH

Mechatronics Engineer

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Salem, Tamilnadu | 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.