ARUN KUMAR M

CONTACT

- ☎ +91 9663391573
- ✉ arunkumar107mak@gmail.com
- in linkedin.com/in/kumarrrm/
- ◉ Bengaluru, India

EDUCATION

- **B.E in Mechatronics**
Acharya Institute of Technology
(Dec 2020 to May 2023) - **8 CGPA**

- **Diploma In Mechatronics**
SJ (Govt) Polytechnic
(Jun 2017 to Oct 2020) - **70.54 %**

- **High School**
Chinmaya Vidyalaya
(Jun 2007 to Mar 2017) - **84.54%**

KEY SKILLS

Interpersonal:

Leadership	Analytical skills
Project management	Organizational skills
Team Management	

Technical:

PLC-SCADA	**CAD**
Manufacturing	Fusion 360
Ansys	Solid EDGE

CERTIFICATIONS

- "Prompt engineering" by DeepLearning.ai
- "Rexroth XM21 PLC and VR series HMI - BITCCREX-01" training at Bosch
- City finalist of Times NIE National Aptitude Challenge 2016-17

VOLUNTEERING

- Rotaract Club of Marathahalli
Role: **Treasurer** – Since Jul 2023
- CMCA India
Role: **Social Worker**. - Jun 2014 to Jun 2015.

SUMMARY

I'm a fresher looking to start my career as an entry-level mechatronics engineer with a reputed firm driven by technology. Strong in design and integration with intuitive problem-solving skills. Proficient in PLC and SCADA, IIoT, mechanical 3D design, and LabVIEW. Passionate about implementing and launching new projects. Ability to translate business requirements into technical solutions. Possess good organizational skills and have an eye for detail.

EXPERIENCE

- Electrical Maintenance **Intern**, **Robert Bosch GmbH**
Bengaluru, India | Aug 2022 - Sep 2022
Electrical Maintenance Dept (TEF-3)
Manufacturing | Assembly | Packing - CBX pump, glow plug, CB4 pump
Case studies | **Certifications - PLC** programming.

- Student **Intern**, **Dynamic Systems Pvt ltd**
Bengaluru, India | Nov 2019 – Dec 2019
I**nspection & Quality** control dept | Skilled **instruments** handling
CNC | Lathe - Motor brackets & Fixtures.

- **Part-Time** Store Manager, **Inder Traders Pvt ltd**
Bengaluru, India | Apr 2018 - Jul 2018
Customer handling | Store Management | Inventory management | Billing & Packaging.

PROJECT WORK

- **6 DOF Industrial Robotic Arm and its Digital Twin**
To deploy a **Digital twin** of the robotic arm that serves as its effectively indistinguishable digital counterpart for simulation, integration, testing, monitoring, and maintenance.
RoboDK | Arduino and RAMPS controllers | **GRBL** firmware | Fusion 360 | Ki-CAD | Python **| Robot kinematics** | **IOT** control interface.

- **Custom-built 3D Printer (DIY)**
Built an FDM **3D printer** from scratch with a layer resolution of 0.2mm, print volume of 150 x 150 x 200 mm, and PLA filament.
Arduino MEGA 2560 | **Marlin firmware |** RAMPS 1.4

- **Car Parking and Monitoring System using LabVIEW**
Providing UI dashboard to monitor incoming and outgoing cars, show live status, and calculate fare based on the parking duration.
Sub VI's | Array and String operations | logic functions | Timers and counters.

- **Home Automation and IoT**
An IoT ecosystem to control home lighting and appliances using switches, telegram messages, Bluetooth, or IoT dashboard.
ESP32 | **Telegram bot API | Microcontrollers**