

# **Yogaprabhu Ramesh Kanna**

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## **Master's Graduate Student**

Graduate student in M.Sc. General Management with a B.Tech in Mechatronics Engineering and hands-on experience in robotics, embedded systems, and project planning. Seeking opportunities in machine learning, digital twin technology, or technical consulting, leveraging both technical and managerial skills. I am determined to work hard to achieve my dreams.

## **EDUCATION**

### **Masters of Science in General Management**

PFH Private Hochschule Göttingen

Göttingen, Germany • Apr 2023 - Aug 2025

- Relevant coursework: Strategic Management, Digital Business Models, Risk Management in Global Supply Chains.
- Active participation in case studies, business simulations, and cross-cultural team projects.
- Thesis: *Enabling a Sustainable Circular Economy through Industry 4.0: Innovations, Challenges, and Future Prospects.*
- Project works:
  - (i) Study of supply chain risk management in Toyota, Apple, and Unilever.
  - (ii) Study of the Evolution of Marketing
  - (iii) Diversity in Human Resource Management

### **Bachelor of Technology in Mechatronics Engineering with specialization in Robotics**

SRM Institute of Science and Technology

Chennai, India • Jun 2018 - May 2022

- Relevant coursework: Robotics & Mechatronics, Embedded Systems, Control Systems, Machine Design, Power Electronics.
- Final-year project: *Design and Fabrication of Smart Helmet Designing* – focused on rider safety and embedded electronics.
- Strong foundation in mechanical design and programming for automation systems.

## **PROJECTS**

### **Design and Fabrication of Smart Helmet Designing**

SRM Institute of Science and Technology

- Developed a safety helmet integrated with embedded electronics for accident detection and rider protection.
- Utilized **Arduino, sensors, and wireless communication** to trigger emergency alerts.
- Improved safety response time by enabling automatic crash notification within seconds.

### **CNC Plotter**

SRM Institute of Science and Technology

- Designed and programmed a **low-cost computer numerical control (CNC) plotter** using stepper motors and Arduino.
- Achieved high precision in plotting by implementing **G-code interpretation and motion control algorithms**.
- Applied **mechanical design principles and microcontroller programming** for automation.

### **Quadcopter**

Chennai, India

- Built a quadcopter prototype with **stability control systems** for autonomous flight.
- Applied **PID control, motor calibration, and wireless communication modules**.
- Strengthened expertise in **aerodynamics, system dynamics, and embedded systems**.

## SKILLS

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- **Technical Skills:** Electrical Machines & Actuators, Embedded Systems & Microcontrollers, Machine Design & Kinematics, Power Electronics & Drives, Robotics & Mechatronics, System Dynamics & Control Systems
- **Soft Skills:** Problem Solving & Critical Thinking, Project Planning & Execution, Team Collaboration, Technical Documentation
- **Software & Tools:** AutoCAD / Solidworks, MATLAB / Simulink, SAP ERP (basics)
- **Programming Languages:** C/C++, Java, Python, SQL
- **Languages:** English - C1 (Fluent), German - A2, Hindi - B1, Tamil - Native

## COURSES

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<b>Data Science Program with IIT-M Pravartak Certification</b> HCL GUVI	Aug 2025 - Dec 2025
<b>Robotics and Control: Theory &amp; Practice</b> NPTEL Repository	Jan 2021 - Mar 2021
<b>Introduction to Virtual Reality</b> University of London - Coursera	Jan 2021

## VOLUNTEERING & LEADERSHIP

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<b>Erasmus Student Network (ESN)</b> Student Buddy & Event Coordinator	Nov 2023 - Oct 2024 Göttingen, Germany
<b>DSA - Directorate of Student Affairs</b> Member	Jul 2018 - Mar 2020 SRM Institute of Science and Technology
<b>NSS - National Service Scheme</b> Volunteer	Jun 2018 - May 2019 SRM Institute of Science and Technology