

KRISHNAMOORTHY K

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SKILLS

Hardware Skills

- Raspberry Pi
- Arduino
- Embedded System
- VLSI

Software Skills

- Linux (Shell Scripting)
- Python & C/C++
- Matlab and Simulink
- LTSpice

EDUCATION

Bachelor of Technology in Electronics and Communication Engineering

Manipal University Jaipur

- Percentage: 85.00%

11/2020 – 05/2024

Jaipur, Rajasthan

Higher Secondary (XII)

Vidyaa Vikas Matric Hr Sec School

- Percentage: 82.00%

06/2017 – 03/2019

Namakkal, Tamilnadu

PROFESSIONAL EXPERIENCE

Robotics Engineer Intern

Machani Robotics

- Designed a motor controller for a BLDC motor, used the FOC algorithm to control it and implemented CAN Bus communication.
- Assembled Robotic Arm's mechanical and electronics parts.

05/2023 – 07/2023

Bangalore, Karnataka

PROJECTS

Voice Controlled Home Automation System

- Developed a voice-controlled home automation system that allows the use of popular voice assistants like Google Assistant or Alexa to remotely control household appliances such as lights and fans.

03/2023 – 04/2023

IOT Based Environmental Health Monitoring System

- Implemented an IoT-based (MQTT) environmental monitoring system that enables remote tracking of key environmental factors like humidity, temperature, and air quality levels from anywhere in the world.

02/2023 – 03/2023

Neuromorphic Circuit Designing Using Memristive Devices

- Currently working on designing Neuromorphic circuits that mimic the behavior of the nervous system and utilize memristive devices.
- Memristive devices are innovative electrical components with variable resistance that changes in response to current flow.

12/2022 – present