KRISHNAMOORTHY K

✉ krishnamoorthy774@gmail.com 📞 +91 8489220202 📍 Chennai, Tamilnadu in krishnamoorthy774

○ krishnamoorthy774 ↖ https://krishnamoorthy774.github.io

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   11/2020 – 05/2024
Manipal University Jaipur 🔗   Jaipur, Rajasthan
- Percentage: 85.00%

Higher Secondary (XII)   06/2017 – 03/2019
Vidyaa Vikas Matric Hr Sec School   Namakkal, Tamilnadu
- Percentage: 82.00%

PROFESSIONAL EXPERIENCE

Robotics Engineer Intern   05/2023 – 07/2023
Machani Robotics 🔗   Banglore, Karnataka
- 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.

PROJECTS

Voice Controlled Home Automation System   03/2023 – 04/2023
- 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.

IOT Based Environmental Health Monitoring System   02/2023 – 03/2023
- 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.

Neuromorphic Circuit Designing Using Memristive Devices   08/2023 – present
- 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.