RAFI RASHEED T C

MAKER

SUMMARY

A Self taught and passionate tech enthusiast with experience in hardware and software development. Love to build quality products which bring fulfilment to the users.

EXPERIENCE

ELECTRONICS TEAM LEAD

Team Horizon

Jun 2020 - Jan 2022

- Secured 3rd Rank in India and 39th rank worldwide in the ERC
- Led a team of 20+ Members on a mission to find 'Life on Mars'
- Built Electronic architecture and design of Mars Rover
- Organise team's development process and help steer the team towards maximum productivity

HARDWARE DEVELOPER - INTERN

Department of Physics, University Of Calicut

Jun 2019 - Dec 2021

- Design, development, testing and evaluation of different Hardware solutions
- Designed and developed temperature and humidity logger for laboratory purposes
- Conducted workshops and talks in IoT and Robotics to promote STEM education

OPERATIONS - INTERN

MakerGram

Jan 2020 - Jan 2021

- Designed MakerKit to promote maker culture
- Executed different plan and programs to build a hardware developer friendly ecosystem in Kerala
- Actively participated in Hackathons as a hardware mentor

CONTACT

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📍 Malappuram, Kerala - INDIA

 rafitc

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SKILLS

- Python
- Node Js
- free RTOS
- C/C++
- Arduino
- ESP-IDF
- IoT
- GIT
- Eagle CAD
- KiCad
- Linux
- Raspberry pi
- Project Management
- Jira

LANGUAGE

- Malayalam - Native
- English - Intermediate

EDUCATION

COCHIN UNIVERSITY OF SCIENCE AND TECHNOLOGY
2018 - Present
Bachelor of Technology
- Major in Electronics and Communication
- Built a peer learning ecosystem in college to learn technology

GHSS VAZHAKKAD
2015 - 2017
Higher Secondary Education
- Major in Computer Science
- Participated in various science exhibition

PROJECTS

BARISH
Arduino and Python
- Improved existing rain prediction system with the help of local weather stations
- IoT weather monitor devices to track the path of rain

TREMOR THERAPY
Arduino, Python Flask, Firebase, React Js, GoDot
- Wearable device integrated with a Game to make therapy more fun
- Interfaced IMU with Nodemcu to track movement

FISH FARM AUTOMATION
Arduino and GSM
- Monitoring and control of Biofloc fish farm
- Flow and motor status monitoring and updating through SMS

IOT HOME AUTOMATION DEVICES
ESP-IDF, Free RTOS, Node Js, Postgress, Docker, MQTT
- Firmware development for IoT devices with free RTOS and Espressif SoC
- Developed API & database integration and implemented HivaMQ IoT broker
- Implemented Over The Air (OTA) feature

AWARD

- Won Hackbells Hackathon Conducted by SBCE (2021)
- Top 10 team in Mind Jam Hackathon conducted by DSC NIT Surathkal (2020)

VOLUNTEERING

- Hack Club CUCEK - Lead
- TinkerHub CUCEK - Lead
- Pygrammers - PRO
- Hackster Kerala
- Maker Fair Hyderabad - Mentor
- Hack Camp 2020 - Core Team
- Why Hacks - Mentor
- Hackholics - Mentor
- MakerFest Kerala