

SARATH M

Seeking a challenging job in an organization where I can follow my passion for Embedded Systems and Programming

Experience

2015–Present **Embedded Systems Engineer**, WIREWORDS ACADEMY, Cochin, Kerala.
Led the Embedded Department of WireWords Academy.

Detailed achievements:

- Experienced in programming Linux based boards BeagleBone Black and Raspberry Pi
- Experienced in multiple Programming Languages: C, C++, Python, SQL etc.
- Responsible for the Development of the Web based Embedded product "Monylitic"
 - Solved following issues:
 - Reliable long distance data transmission using Sim900 based GSM Module
 - Developed code that handles issues like low range, sending failure etc.
 - Responsive Webapp for the product

Technical skills

- Embedded Systems
- Linux Single Board Computers
 - Raspberry Pi, BeagleBone Black
 - Microcontroller's
 - 8051, Arduino
 - Other Hardware
 - *Programmable Logic Controller's (PLC)*
 - Sim900 GSM Modem
 - RFID reader
 - Communication Protocol's
 - RS-232, I2C, SPI, USB, Modbus ASCII

Programming C, C++, *Python*, SQL, git

- Other Platform's
- TCP and UDP Socket Programming
 - Linux System Programming
 - Web Development Using Python FLASK framework
 - *Cloud Computation* using AMAZON WEB SERVICES
 - System GUI Application Development using Python PYQT Library

'Saranya' – North Paravoor – Ernakulam District, Kerala

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Awards & Achievements

- 2014 **SRISHTI 2014**, *State Level Project Competition*.
- o The Project "**Hexapod**" was selected as **Top 13** in the **Finals**
 - o Project Competition was organised by
 - AICTE
 - Startup Village
 - Kerala Financial Cooperation
 - Saintgits College
- 2005 **Black Belt 1st Degree in Karate**.
Awarded in Shito-Ryu style of Karate

Education

- 2014 **Advanced Course in Embedded Systems**, *Vector India Institute*, Bangalore, Karnataka.
- 2010–2014 **B.Tech in Electronics and Communication**, *Govt. College of Engineering Cherthala*, COCHIN UNIVERSITY OF SCIENCE AND TECHNOLOGY, Kerala.
- 2010 **12th Grade**, *Talent Public School*, CBSE, Kerala.
- 2008 **10th Grade**, *Talent Public School*, CBSE, Kerala.

Academic Projects

- o **Major Project: Hexapod Robot For Agricultural Application**
It is a versatile six legged robot optimised for uneven terrain. The applications include planting crops, weed detection and sensor data collection.
- o **Minor Project: Godown Automation**
It was an attempt to automate a godown by including sensor based smart lighting and an anti-theft alarm.

Seminar

- o **Permanent Magnet Generator For Powering Implanted Devices**
The seminar is about a system that is self-contained and reliable which can continuously provide power to artificial implants by the principle of electromagnetic induction.

Soft Skills

- o Good Managerial and Communication Skills
 - Elected as College Senate Member (2011-2012)
 - Training and Placement Cell Co-ordinator (2012-2013)
 - Active member in NSS, IEEE & Nature Club
- o Patient and Active listener
- o Fast Learner; Willing to be Trained

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Personal Details

- o Name : Sarath.M
- o Mother's Name : Leena.N
- o Date Of Birth : 27/09/1992
- o Sex : Male
- o Current City : North Paravoor, Kerala
- o Languages Known : English, Malayalam, Hindi

References

- o Mr. Jeevan George
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