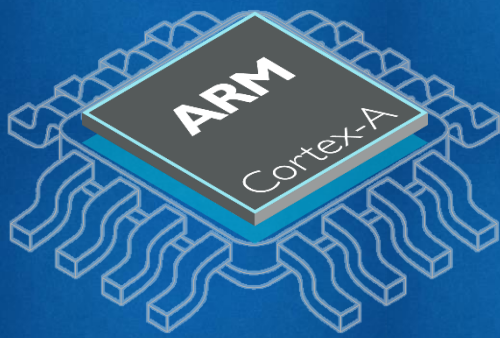# KARTHHIC RAMACHANDRAN PONNALAGI

karthhic@gmail.com
+358413692109
60, Insinöörinkatu, D 369, Tampere, Finland - 33720
karthhic.github.io

MOTIVATION:

Passionate about building IOT, IIOT devices, 3D Printing, repairing and retrofitting devices of various nature, interest in hardware hacking, computers and Networking.

EXPERIENCE:

AUTOMATION ENGINEER [Jan 2018 – Jun 2018]	Wisematic OY, Tampere, Finland
AUTOMATION ENGINEER TRAINEE [May 2016 - Aug 2016]	CIMCORP OY, Ulvila, Finland
SUMMER TRAINEE [Jun 2015 - Aug 2015]	CIMCORP OY, Ulvila, Finland.
SUPPORT ENGINEER [in India][Oct 2012-Sep 2013]	CIMCORP OY, Finland.
BILLING ENGINEER [Jun2009 - May 2012]	Sastha Electricals, TN, India.
PROJECT ASSISTANT [Jan 2006 - Jul 2006]	CECRI/CSIR, TN, India.
SYSTEM SERVICE ENGINEER [Sep 2004 - Jan 2006]	Jupiter Computer Networks, TN, India.

EDUCATION:

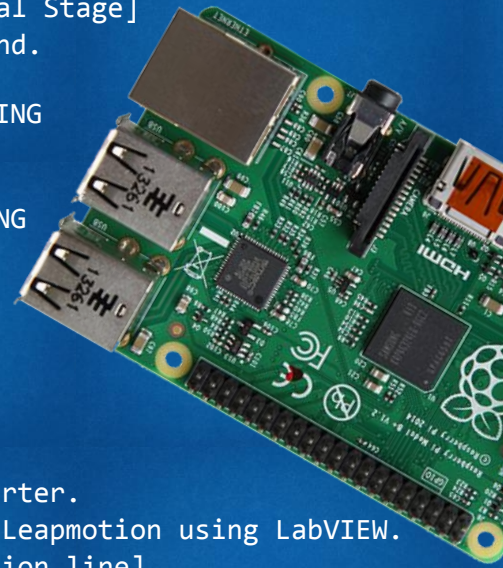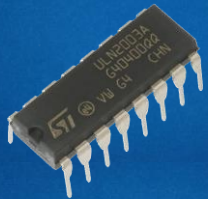MASTERS IN AUTOMATION ENGINEERING [Thesis in final Stage]
Tampere University of Technology, Tampere, Finland.

BACHELORS IN ELECTRICAL AND ELECTRONICS ENGINEERING
Anna University, Tamil Nadu, India.

DIPLOMA IN INSTRUMENTATION AND CONTROL ENGINEERING
Annamalai Polytechnic College, Tamilnadu, India.

PROJECTS:
PLC Based Vending Machine.
Single phase to Three phase converter.
Controlling of LEGO Mindstrom by Leapmotion using LabVIEW.
Demo factory [FESTO model production line]
Javascript based Multi Agent system in ESCOP simulator
Node-red based weather event logger with dashboard.
Javascript based data forecasting using linear regression.
Monthly production log and forecasting using EXCEL.
Monthly transaction management using EXCEL.
Design of automated Laser welding unit for VALMET.
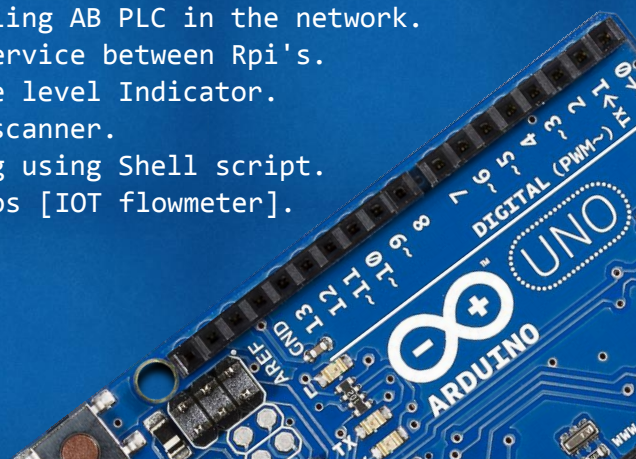Rpi based UI for controlling AB PLC in the network.
Zigbee based messenger service between Rpi's.
Arduino based Temperature level Indicator.
Raspberry based network scanner.
Mini tools for Networking using Shell script.
DEMOLA project for Coheros [IOT flowmeter].

SKILLS:
HARDWARE KNOWLEDGE
Sensors, Measuring equipment's and medical equipment's troubleshooting, Arduino, ESP8266/32, Robots, Zigbee, Raspberry pi, Low level Electronics, Micro controllers and micro processors, Computers, Consumer Products Repairing.

PROGRAMMING LANGUAGES
Extensively used: C, C++, NodeJS, Javascript, Python, Shell/Bash, HTML, SQL.
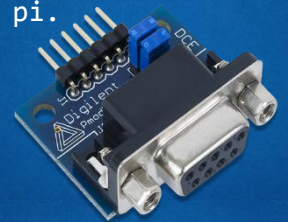Basic Knowledge: Pascal, GwBasic, CSS, PHP.

OTHER SOFTWARES
Microsoft Office, Matlab, LabVIEW, Studio 5000, TIA portal 13, KUKA KRL, Mitsubishi MELFA IV, CATIA, CIROS studio, LEGO Mindstrom, Processing, Photoshop, Factory View, Docker, Beckhoff Twincat, KUKA KRC.

HANDS ON EXPERIENCE
Web server deploying, Server and Desktop Assembly and installation, Troubleshooting computer hardware and softwares, Data recovery, Data wiping [irrecoverable] of sensitive digital media, Electronic circuit boards, Arduino, ESP 32, ESP8266, SMT32, Zigbee network deploying, 3D printing, Data Mining, Remote monitoring system, Designing handheld tools using raspberry pi.

Willingness to learn new things.

PERSONAL INFORMATION:
Date Of Birth: 24-11-1986
Hobbies: Electronics, Linux, Cooking, DIY projects.
Languages: Tamil   *****
                    English   ****
                    Finnish   **
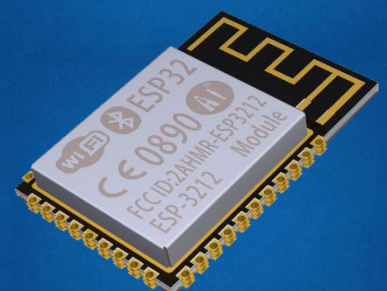
http://tinyurl.com/krp-youtube

https://github.com/karthhic

www.linkedin.com/in/karthhic

karthhic.github.io

Contact