

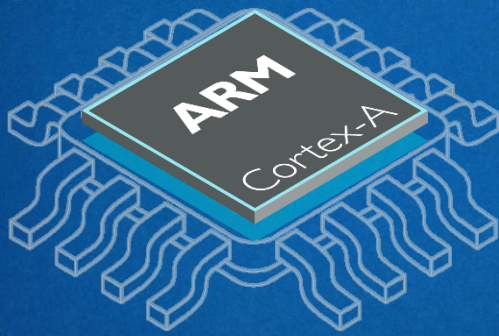
KARTHHIC RAMACHANDRAN PONNALAGI

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+358413692109

8, Orivedenkatu, E 102, 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 TRAINEE [May 2016 - Aug 2016]

SUMMER TRAINEE [Jun 2015 - Aug 2015]

SUPPORT ENGINEER [in India][Oct 2012-Sep 2013]

BILLING ENGINEER [Jun 2009 - May 2012]

PROJECT ASSISTANT [Jan 2006 - Jul 2006]

SYSTEM SERVICE ENGINEER [Sep 2004 - Jan 2006]

CIMCORP OY, Ulvila, Finland

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Sastha Electricals, TN, India.

CECRI/CSIR, TN, India.

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.

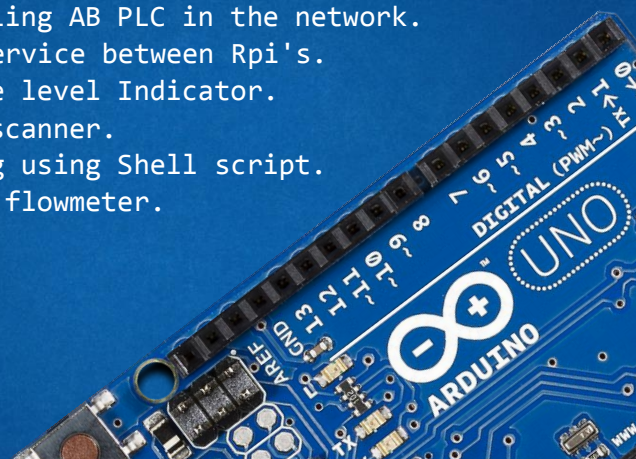
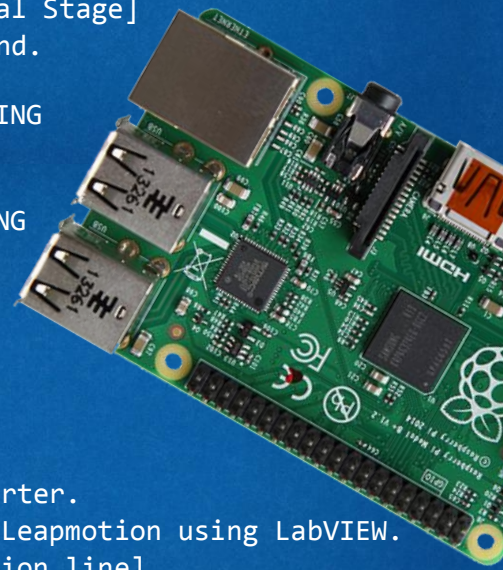
Zigbee based messenger service between Rpi's.

Arduino based Temperature level Indicator.

Raspberry based network scanner.

Mini tools for Networking using Shell script.

DEMOLA project for a 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, 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>



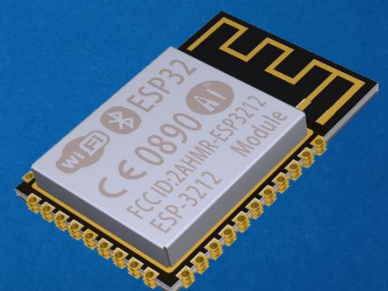
<https://github.com/karthhic>



www.linkedin.com/in/karthhic



karthhic.github.io



Contact

