# Sidharth Raj

## Software | IoT | Automation

Agile Software Engineer talented at contributing to multi-team development projects. Collaborative Project Engineer thrives in cross-team and multi-vendor environments. Solution-oriented problem solver with excellent communication and leadership skills with background in software project engineering and engineering product development.

✉ sidharthraj1995@gmail.com

📱 +1-313-652-7269

📍 Cincinnati, OH

🌐 sidharthraj1995.github.io

in linkedin.com/in/sidharthraj1995

## WORK EXPERIENCE

### Software Engineer
Honeywell Intelligrated ⧉

*02/2020 - Present*                                    *Mason, OH*

Tasks
- Leveraged C# and C++ skills to configure machine control solutions for conveyors and high speed sortation systems for large scale material handling projects.
- Deployed custom warehouse automation solutions, cross-team troubleshooting and project debugging for major e-com companies.
- Database management and debugging.

### Software Intern
Honeywell Intelligrated ⧉

*08/2019 - 12/2019*                                    *Mason, OH*

Tasks
- Extensive management of DBs working along-side Honeywell's proprietary software to configure various customer sites.

## PERSONAL PROJECTS

### Document Automation Tool [DAT] (08/2019 - 10/2019)
- Developed proprietary application for Honeywell to generate proposals and contracts on-the-go.
- WFA designed and developed on C# (.NET) capable of creating a new document and editing an existing document.
- Reducing the existing time taken to develop a document from 40 mins to < 10 mins, estimated to save Honeywell over 50% each year.

### Connect4 w/ Komodo Blockchain
- Game developed using python with both single player and multi-player option.
- Connected with Komodo blockchain to reward the winner.

### HomeAssistant - RPi|Arduino|ESP (05/2020 - Present)
- Agile development of various low-cost modules to capture daily routines, collect event based data and execute assistive commands.
- Motion-tracking w/ smart lighting; Vision-based front door security w/ radar sensed presence detection; garden management system w/ smart irrigation and env sensing and reporting*

## EDUCATION

### M.S. Computer Engineering
University of Texas ⧉
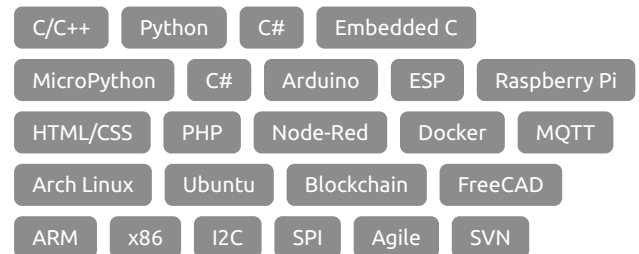
*08/2017 - 12/2019*                                    *Arlington, TX*

### B.Tech. Electronics and Instrumentation
S.R.M University ⧉

*06/2013 - 05/2017*                                    *Chennai, India*

## SKILLS

C/C++  Python  C#  Embedded C  MicroPython  C#  Arduino  ESP  Raspberry Pi  HTML/CSS  PHP  Node-Red  Docker  MQTT  Arch Linux  Ubuntu  Blockchain  FreeCAD  ARM  x86  I2C  SPI  Agile  SVN

## ACHIEVEMENTS

**Bravo Award - Bronze**
*Honeywell - Think big .... Then make it happen*

**Blockchain challenge**
*Ranked #3 in the intra-department blockchain event.*

## CERTIFICATES

**Yokogawa**
*Distributed Control System*

**Design for Six Sigma**
*Software Application*

## ORGANIZATIONS

**JCrayTech (05/2021 - Present)** ⧉
*Advisor*

**SPIE - SRM Chapter (2015 - 2017)** ⧉
*Treasurer*

**Delhi Public School (2015 - 2017)**
*Student President - Quiz Society*

**Somerville School (2010 - 2011)**
*Head Boy - Scholastic*

## LANGUAGES

English
*Full Professional Proficiency*

Hindi
*Full Professional Proficiency*