Adarsh R

Embedded Developer

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Summary

A curious Embedded developer with 4 years experience on IoT, Web & Android apps develpoment. Solid knowledge of MCU's, web & cloud technologies. Detail oriented, Dedicated and Dependable team player who has   strong analytical, organizational, probem solving, presentation, communication and project management skills. Also who posess ability to manage multiple tasks and work in a fast paced schedule.

Technical Expertise

Languages	Java, C, Embedded C, Python, PHP, Javascript, Android, NodeJs, HTML, CSS
Protocols	RS-232, I2C, SPI, UART, MQTT, CoAP
Database	Firebase, NoSQL, MySQL, SQL Server
IDE	Android Studio, Eclipse, ATmel Studio. MATLAB, Keil uVission Vissual Studio

Work Experience

Freelance Developer / Entrench Electronics Pvt. Ltd.   2017 - NOW

Hardware Design for the need of client.
Testing and interfacing the individual I/O Systems.
Used GSM, MQTT, CoAP to transfer data with appliances.
Developed backend using AWS, Raspberry Pi, NodeMcu, NodeJs, HTML and Javascript.
Used various Javascript Libraries like Annyang for voice recognition
Used facebook and OpenCV for facial recognition
Designed Android App for controlling the system.

Entrench Electronics Pvt. Ltd   2014 - 2017

Sr. Embedded Engineer

Lead projects and designed training module of the company
Designed Hardwar and software platform of IoT based school management system
Converted conventional gas meter using Hall effect sesnor, ATmega8 MUC and SIM900
Designed and developed company's web portal using PHP,HTML and JQuery
Designed fire fighting robot using Raspberry pi and thermal camera.
Product testing

Times Globacom Pvt. Ltd   2014 - 2014

Sr. Embedded Engineer

Created an interactive training software using Adobe Flash.
Managed and supervised a team of junior research engineers.
Developed many training modules and projects.

Robosapiens Technologies Pvt. Ltd.   2013 - 2014

Research Engineer

I've developed Android and Cyber Security training modules
Wrote product description on compan's ecommmerce portal
Providing customer support on Projects purchased through online portal
Delivered Training sessions in Primeir Institutes

Education

Bachelor of Electronics and Communication Engineering   2009 - 2013

Anna University, Chennai

Developed gesture controlled robot using Matlab Image Processing and ATmega8.
Created self balancing robot using Arduino, accelerometer and gyroscope,
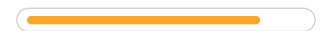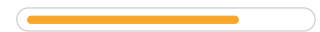Designed a laser communication system.

Reference

Skills

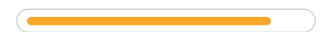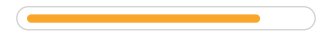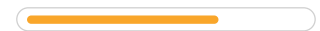Java

C

NodeJs

Firebase

Embedded C

Android

MuC's and SOC's

PHP, HTML, Javascript, CSS

AWS, Google Cloud

Interests

Travel
Books
Music
Food
Training