Abhinav Rajagopalan

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+91 9884958740

Chennai

EDUCATION

Bachelor of Engineering (B.E), Electrical and Electronics Engineering (2013 - 2017)

Sri Venkateswara College of Engineering

CGPA : 6.50/10

XII (Senior Secondary), Science

Year of Completion: 2013

CBSE Board (P S Senior Secondary School)

CGPA : 8.50/10

JOBS

Systems Engineer

Rekindle Automation (Bangalore)

Nov 2017 - Present

PROJECTS

Power optimiser for MPPT solar PV system

Dec 2016 - Apr 2017

Led a team of 4 to design and build an efficient converter and MPPT system for optimised power generation of solar energy.

Automated horticulture using IoT with actuator based network and drip system

Jan 2017 - Feb 2017

Created an automated system for effortless horticulture using a sensor and actuator based mesh network with visual feedback by Internet of Things.

Smart horticulture IoT with remote Android application

Jan 2016 - Feb 2016

Built a system to monitor and control a farm and detect moisture content and other such parameters implementing Internet of Things with an Android application.

Wireless power transmission

Jan 2015 - Feb 2015

Created a prototype to increase the efficiency of power consumption and range of wireless power transmission using high frequency resonant air core transformer.

Portable & efficient Inverter using Regenrative snubbing

Jul 2014 - Dec 2014

Modelled a simulation to create a more efficient and portable Inverter using Regenerative Snubbing at Texas Instruments Innovation Challenge : India Design Contest '15

Chat/IM client

Nov 2012 - Mar 2013

Built a personalised instant messaging service between systems on the same network with Java and MySQL using JDBC

SKILLS

C Programming	C++ Programming
Advanced	Advanced
Python	Machine Learning
Advanced	Intermediate
MATLAB	Computer Vision
Intermediate	Intermediate
Shell Scripting	Java
Advanced	Intermediate
Data Structures	Algorithms
Advanced	Advanced

WORK SAMPLES

Other Portfolio Link:

https://abhinavrajagopal.github.io/

ADDITIONAL DETAILS

- Won first place for presenting a prototype model for "Automation for effortless horticulture using a sensor and actuator based mesh network" in SVCE Innovates - Student Research Day 2017.

- A paper on "Efficient usage of artificial grow light from LEDs using selective
PWM techniques for healthy growth of plants" at NCAEEE-2017 organised by the Department of Electrical and Electronics Engineering, SVCE held on 10 and 11th March 2017.

- Placed third at SVCE Innovates - Student Research Day -2016. Presented a working model for building a system to monitor and control a farm and detect moisture content implementing Internet of Things with an Android application.

- Demonstrated a prototype to increase the efficiency of power consumption and range of wireless power transmission using a high frequency resonant air core transformer at Research Day 2015, SVCE.