

Subham Agrawal

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EDUCATION

SRM UNIVERSITY

B.TECH MECHATRONICS

ENGINEERING

Expected May 2020 | Chennai, India

Cum. GPA: 7.97

SEVEN HILLS SCHOOL

CLASS 12TH

Graduated 2016 | Sambalpur, India

Science with C.S.

Percentage : 85

LINKS

Github:// [subham9777](#)

LinkedIn:// [subham98](#)

Twitter:// [@Subham9777](#)

Quora:// [Subham-Agrawal-14](#)

COURSEWORK

UNDERGRADUATE

Introduction to IOT

The Arduino Platform

Fluid Power System and Automation

Android Developer

Open CV

Fundamentals of Robotics

SKILLS

PROGRAMMING

Over 5000 lines:

• Java • Android • Python • Matlab

• C++ • C • LaTeX • Android

• Dialogflow

HARDWARE

• Arduino Uno • Raspberry pi 3

• ESP8266 • Wemos D1 Mini

• Arduino Nano • NodeMCU

SOFTWARE

• Auto CAD • FluidSIM - H

• FluidSIM - P • Android Studio • Git

• LabVIEW

MECHANICAL

• Welding • Fitting • Soldering

LANGUAGES

• English - Professional Proficiency

• Hindi - Native Speaking

• German - Elementary Proficiency

• Odiya - Elementary Proficiency

EXPERIENCE

NEXT TECH LAB | IOT APPLICATION DEVELOPER

Expected August 2017 – Present | SRM University, Chennai

- Building multi purpose IOT projects using various technologies as Raspberry Pi, Arduino, ESP8266 for automating things.

HAVELL'S INDIA LTD. | INTERN

Dec 2017 - Jan 2018 | Faridabad, India

- Created a LabView program to get the thermal reading from the mcb's under various test conditions and environments. Using NI thermocouples the data was recorded and product was improved accordingly.
- Created a automated spreadsheet using macros to automate the KAIZEN program inside the company. The data recieved was recorded automatically in a spreadsheet resulting in a lot of time saving for the department.

BLUE HEART HEALTH CARE | JUNIOR ANDROID APP DEVELOPER

October 2016 – Present | Chennai, India

- Blue Heart is a Android App for online marketing of daily groceries, medicines, etc.
- Created the UI part and the seller App for the Startup.
- Project already launched and working in Uttar Pradesh, India.

PROJECTS

LEARN ARDUINO | ANDROID APPLICATION

Created a Android Application that can be used to learn basic Arduino Programming and about Arduino Hardware. It is currently available in Google Play Store with over 500+ downloads.

HOME AUTOMATION | ANDROID APPLICATION

Worked on Wemos Mini D1 to create a small IOT product which can be installed in any house and the house lights, fans and everything can be controlled using a Android App. Currently integrating Machine Learning to look for Power Saving, Automatic Off.

PRODUCT.AI | ANDROID APPLICATION

Made a Image Classifier using Tensorflow Lite for Android. Submitted the same to P&G Hackathon. The project aim was to display details for the product scanned through the camera for any P&G product.

HACKATHONS

2017 MLH Local Hackthon, Bangalore

2018 Predix IOT Mobility, Techgig

2018 Rajasthan Hackathon 4.0, Rajasthan

2018 P&G Click Predict Innovate, Hackerearth

AWARDS

2018 Predix IOT Mobility Challenge, 1st, Techgig

2018 GE Predix Hackathon, 8th, Techgig