



# Shashank kumar

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## CONTACT

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## WORK EXPERIENCE

### XDA Developers

Senior Member

Mainly works on Designing part.Also have some experience in Custom OS Building.

**September 2016**

## EDUCATION

### B. Tech

Vellore Institute of Technology

B. Tech in Electronic and Communication.

**July 2015 - June 2019**

### 12th Standard

D.A.V. Public School,BSEB,Patna

Passed with An Aggregate of 91.6 %

**July 2013 - March 2015**

### 10th Standard

D.A.V. Public School, Khagaul,Patna

Passed 10th Standard with 10 CGPA.

**April 2006 - March 2013**

## PROJECTS

### 1. Water Purification Using Carbon nanoparticles.

We came up with a unique solution for Water purification using Carbon Nanoparticles which we synthesized on our own for our 1st sem. Project.

### 2. LED Music Equalizer.

It is a device which works according to musics being played. It Contains Filters which breaks Music into 3 parts according to their frequency and leds will glow according to that.

### **3. Traffic light Controller.**

Traffic light controller works with 555 timer and accordingly Changes for different time.

### **4. Octave Equalizer.**

Basically it a circuit which can control different frequencies available in Sound and can also manipulate it.

### **5. Counter using 555 Timer.**

A counter circuit which can count upto 9999 and will be displayed on a 7 segment display.

### **6. Object counter.**

A device which when placed on the main gate of the home can count how many people are inside the house.

### **7. Bluetooth Controlled Car.**

A car that can be controlled by an app which i made using MIT app inventor.

### **8. USB Rubber Ducky.**

I made this device using Arduino pro mini. Basically what it does is it get connected to any laptop and is detected as keyboard and have ability to type 350 words per second which is stored in Memory card connected to Arduino.

### **9. Pill Reminder Box.**

A device that can help us by reminding us the time at which we have to take our pills. It is an IOT Based project and can help in our day to day life.It sends us SMS also at the time of taking pills.

### **10. Water temperature Controller.**

It is a device which help us in maintaing constant temperature of water(whatever is the desired value).It is monitored by a mobile app which help us in sending data to micro controller.

### **11. Green Home Automated Response(GHAR).**

It is a complete Home automation system with multi layer security system which includes time dependent otp and RFID verification in order to enter the house and remind us by SMS if some tries to trespass it..It also have power saving mode that helps in low power consumption. it is also voice controlled like "Turn on the Fan".,"Turn On Lights" and some entertainment function like play some music etc. The home is also equipped with Different temperature and gas sensors that can be monitored via internet.

### **12. Techinstein**

Working on a technical website which can provide day-to-day problem faced by us with our Gadgets.

### **13. Custom OS**

Android OS based on AOSP with some Kernel Tweaking and some great features .Currently under Development.

## INTERESTS

Wildlife Photography.

Programming.

Electronics.