

# SHIVESH NAVIN

ANDORID & IOT DEVELOPER




## PROFILE

Android and web backend developer with knowledge in Embedded Systems working in field of IoT . I have a passion for solving real-life problems with technology . I am always up to explore new fields . I believe only by stepping into the unknown one can know the depths .

## CONTACT

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New Delhi 

## EDUCATION

**B. Tech in ECE**

**MSIT , GGSIPU**

**2015-2019**

In Pursuit , CGPA 8.9 /10 till Sem 5  
Enrollment No 03496302815

**CBSE 12th**

**St. Thoma's School,Dwarka**

**2015**

Aggregate 92%

**CBSE 10th**

**Govt. Boys School No. 2 , Tilak Nagar**

**2013**

CGPA 9.6 /10

## SKILLS

Android Development

IoT & Embedded

Java

C/C++

PHP & NodeJS

## TRAININGS & CERTIFICATIONS

**Android Developer Certification (Certificate ID Y35MGR3E) , 2017**

Completed Google authorized Android certification program provided by Edureka

**Embedded System and PCB design Training (EnRoll No. ST1708) , 2017**

2 months Summer training on embedded systems & PCB design at Emtech Foundation

## INTERESTS

Playing PC Games

Playing Guitar

Building tech projects

## PROFESSIONAL EXPERIENCE

**Android Developer Intern**

**InstantPay , June 2018 - July 2018**

Worked on optimizing existing features and adding new features to InstantPay Android app as a full time in-office intern during the summers . Working alongside the web team, I completed the following projects :

- ❖ Built UI and integrated web APIs of SafeGold™ which is a Digital Gold wallet and trading Platform in InstantPay app .
- ❖ Built new feaures like MMT management , persistent notification panel etc.
- ❖ Fixing bugs , handling bank transaction timeouts ,error code parsing

### SmartShine™ WiFi SmartBulb Firmware Developer

Mansaa , Raag Innovations Pvt. Ltd. , Jun 2018 – Aug 2018

Worked as a Freelance IoT Developer , on company's new SmartShine™ WiFi based product which can be connected using WiFi or bluetooth to control the colors and effects of RGBW lights with Andorid app or remotely or using Amazon Alexa .

- ❖ Used Mongoose OS to develop firmware on top of ESP32 device
- ❖ Developed an optimized OTA updates client at device and a OTA server using NodeJS that drastically reduced update payload size
- ❖ Build driver for assigning values from color models like HSV , RGB to Leds using PWM
- ❖ Created RPC endpoints to control device over MQTT or HTTP

### IoT Firmware Developer Intern

lotfy Inc. , Dec 2017 – Jan 2018

Worked on company's SmartRo Kit product using ESP8266 microcontroller on proprietary circuit .

My responsibilities were :

- ❖ Use Mongoose OS for development of device firmware
- ❖ Read TDS values , monitor water flow , pump status etc of water purifier
- ❖ Send data to end point hosted on cloud and Develop Android client to monitor water purifier
- ❖ Help in testing of device monitoring

### Winter Internship under TiiEdu

Canvaas Softwares , Dec 2016 – Jan 2017

Worked to develop attendance system for schools

### Android App Developer Intern

Varrange4u , Jun 2016 – Aug 2016

Worked to develop android app for group event bookings like house parties at venues

## PROJECTS

- **SmartnGlow Android** : Worked to develop Salon Appointment Booking App as a freelance Android Developer <https://play.google.com/store/apps/details?id=in.hoptec.smartnglow>
- **Domilearn**: Worked as Freelance Developer for knowledge sharing and article listing using app with Firebase Collections and Firebase Cloud functions at backend and Firebase Cloud Messaging notifications <https://play.google.com/store/apps/details?id=com.domilearn.domilearnapp>
- **Tap Tap Tiles** : Simple Open Source 2D infinite Android game written in kotlin that tests your reflexes <https://play.google.com/store/apps/details?id=in.hoptec.kotlin101>
- **FeelingLone** : Worked as Freelance Developer for Healthcare Startup to develop Android App and backend in PHP <https://play.google.com/store/apps/details?id=com.feelinglone>
- **Summer Training Project** : Field Programmable home automation using PIC16F887 <https://www.youtube.com/watch?v=uT6hm7KKY04>
- **IoT Remote Gesture Controlled Music Player** : Controlling Music Player Android App with hand gestures using ESP8266 [https://www.youtube.com/watch?v=2fRdLV\\_bOel](https://www.youtube.com/watch?v=2fRdLV_bOel)
- **Cloud2Drive Downloader** : NodeJS app to download online files directly to Google Drive [https://github.com/shiveshnavin/gcloud\\_downloader](https://github.com/shiveshnavin/gcloud_downloader)
- **WebCrawler** : Pagination supported web crawler in NodeJS that crawls a website and extracts data and exports as CSV [https://github.com/shiveshnavin/web\\_scraper](https://github.com/shiveshnavin/web_scraper)
- **Umang Premier** : Public Data collection using NodeJS with OTP auth for a housing complex Demo <http://umangpremier.herokuapp.com>

Other projects can be found on my Github handle and website

- ❖ Github : <http://github.com/shiveshnavin>
- ❖ Website : <http://hoptech.in/apps.html>

## ACTIVITIES & PARTICIPATIONS

- **AWS Cloud Day 2018** : Participated in AWS Cloud Day 2018 at Hotel Pullman , Aerocity . Got to know about many emerging technologies from Amazon Web Services like Lambda functions
- **E-Summit 2018 Team** : Worked in organizing team for E-Summit 2018 held in MSIT by E-Cell MSIT
- **Internship Fair Organizer** : Organizer for Internship fair shortly held after E-Summit at MSIT
- **Google Firebase AppFest IN 2017** : Participated in Firebase App Fest hackathon held in Vivanta Hotel, Dwarka on 21<sup>st</sup> June 2017 . Got to know about Firebase Cloud Functions and networked with like minded people from Google Firebase Team , California .
- **AngelHack Global Hackathon Series , New Delhi 2017** : Participated in Angel Hack Global Hackathon series and made order placement platform for small scale shops using QR codes .  
Presentation : <https://www.youtube.com/watch?v=lc2nkaHLY10>
- **Anensis 2017 Organizing Team** : Worked in organizing team as a co-ordinator in Robotics Department of tech.fest of MSIT , Anensis in 2017 . In 2016 participated in Robomaze and made a Wall Follower Robot using Arduino
- **AWS Innovate Online Webinar** : Participated in AWS innovate online webinar . Got to know about how AWS is providing solutions related to cloud and IoT
- **E-Cell MSIT Hackathon 2016** : Participated in E-Cell MSIT hackathon in 2016 during E-Summit , Made a system to auto locating nearby hospitals and health care centers and displaying on Maps in Andorid App .

## FAMILIAR TECHNOLOGIES

- **Firebase** : I have experience in operating Firebase Console and using ( in Android ) Firebase Realtime Database , Firebase Collections , Firebase Storage , Firebase Cloud Messaging etc.
- **Google Cloud Platform** : Have worked with Google Cloud Technologies like Compute Engine and App Engine , creating and managing Compute Engine instances and assigning static IP to it .
- **Linux** : Experience in operating Linux versions like Ubuntu and performing basic CLI tasks and connecting to remote computers using SSH
- **Microcontrollers** : I have worked with PIC16F887 , 8051 , ESP8266 , ESP32 microcontrollers.
- **Proteus ,VHDL and VLSI tools** : During the college curriculum I have also woked with curcuit stimulation tools like Proteus , VHDL and Tanner EDA for VLSI Design