

# AJAY CHOWDHARY

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## EDUCATION

**Netaji Subhas Institute of Technology, New Delhi (University of Delhi)**

B.E. in Electronics and Communication Engineering.

*New Delhi, India*

**Kendriya Vidyalaya Paschim Vihar, New Delhi.**

*New Delhi, India*

## PROJECTS UNDERTAKEN

### 1st DTU HACKATHON

#### HEALTH KIT

A project based on IOT to check heart rate, body temperature etc in real time and send data to cloud machine using AWS. The data from circuit is uploaded using Arduino uno. The uploaded content is converted into JSON and is provided to the user. A webapp and an android app are made to keep track of health parameters and notify and online consult doctor if found unfit.

*Feb. 2017*

### IEEE-NSIT OFFICIAL APP

Working on official android application of I.E.E.E. (nsit) to connect 150+ members each year. This app provides daily news, notifications in the form of feeds and alert. The solution of offline usage is also taken care of using sqlite dbms and sharedpreferences. The app registers itself in our online database using app token.

*Dec. 2016*

### MUSIC PLAYER APPLICATION

An Android Application that intelligently filters the mp3 files in device memory and plays it for the user. The App uses content manager to get the mp3 files list which is then played as per the selection of the user. The problem of auto stop is solved using a different thread which runs in background and stops playing after fix time.

*May 2016*

### NSIT CONNECT APP

**Contributed in an application to connect 500+ college students**

An android app to provide- Feeds, Academic Percentage checker, Teacher and Staff info for every student.

*Jan. 2017*

### ATTENDANCE TRACKER

**An android application to track attendance for College and Business purposes.**

The problem of storing offline data is solved using Sqlite database. Several important features like requesting for proxy is included using SMS services, Sharedpreferences etc.

*Apr. 2016*

### LINEAR POWER SUPPLY

Made a Variable Power Supply using toner transferred method.

Provides a great solution of short circuit protection. Application ranges from 1.5V to 37V and a maximum current of 3A.

*Dec. 2015*

### CODE PRACTICE OSCILLATOR

**A device to send and receive morse code.**

The project uses 555 timer IC configured as an astable mode which is a simple way to practice the sending and receiving of Morse Code.

*Sep. 2015*

## EXPERIENCE

### GOOGLE-CS

Mentored a workshop 100 students with Google facilitator to teach students android and java programming.

*Nsit, New Delhi*

*Jan 2017*

### VICE CHAIRPERSON

#### IEEE NSIT.

Leading a team of 25 executive committee members and 200 society members for organizing various technical and non technical events for the development of members.

*Nsit, New Delhi*

*July 2016 - Present*

### Hack@NSIT (Software Hackathon)

**Organizer:** Organised Northern India's largest student held hackathon with over 100 plus participants.

*Nsit, New Delhi*

*Apr. 2016*

### WIE (Women In Engineering Delhi Section)

Core member of a team that organized this event to Encourage Women in Engineering and appreciate their contribution in development of Science.

*Nsit, New Delhi*

*Mar 2016*

### AICSSYC (All India IEEE Computer Society Student & Young Professional Congress)

**Organizer:** An International Congress in IEEE Asia Pacific (R10) having a footfall of 500 participants which include students, entrepreneurs and senior executives around the world.

*New Delhi*

*Dec. 2016*

**Secured a Bronze in NATIONAL and 2 Golds in REGIONAL roller skating competitions**

*New Delhi*

ANDROID APP DEVELOPMENT

C++

JAVA

CLOUD COMPUTING (AWS)

PHP