

# Simranjyot Singh Gill

+1-201-682-1977 | simranjyot@nyu.edu  
https://in.linkedin.com/in/simranjyot-gill

## Education

New York University | Courant Institute of Mathematical Sciences  
MS Computer Science

*Expected : May 2018*  
*GPA : 4.0*

IIT Roorkee

B-Tech Electronics & Communication Engineering

*May 2013*

## Experience

Samsung Research Institute (Enterprise Division)

Senior Software Engineer (Android Developer)

*Bangalore, India*  
*June 2013 – July 2016*

- Samsung Knox: Developed backend module for Samsung Knox which is responsible of creating and maintaining a separate Knox workspace in the android device.
- Samsung Pay: Developed android app to integrate Samsung Pay SDK and verified the functionality of all modules of Samsung-Pay SDK.
- Phonegap Android Plugin: Designed and developed phonegap android plugin for Samsung S-Pen. Wrote JUnit test cases for the plugin. Reviewed the code and pushed for commercialization.
- Samsung Account: Updated entire permission model of the Samsung Account app after Android M update.
  - Developed updated UX of Samsung Account app for Android M.
  - Developed SDK for Samsung Account which provide enhanced features and better flexibility to partner apps which use Samsung Account for authentication.
- Media Authentication: Developed solution to authenticate the integrity of media(images and videos) captured using Camera of Samsung Mobile devices.
- Integration of LDAP with Phone app: Developed a caller ID for enterprise using LDAP and integrated it with Samsung Phone App which provides caller information only if user is signed in.

## Academic Project

IDRBT, RBI research center

Student Internship (Image Steganography)

*Hyderabad, India*  
*May 2012 – July 2012*

- Evaluated performance of existing Least Significant bit based Image Steganography techniques.
- Proposed a better algorithm using Visual Saliency Map to encode data in images; Plotted and compared the results to observe that the proposed algorithm performed better.

IIT Roorkee

B-Tech Project

*Roorkee, India*  
*Jan 2013 – May 2013*

- Proposed an algorithm to detect the camera that captured the video; C-MOS footprint of the camera and value of Correlation of this footprint with each video frame could detect if video was captured by this particular camera.

National Institute of Electronics & Information Technology

Web Designing Project

*Chandigarh, India*  
*May 2010 – July 2010*

- Designed and built a fully interactive dynamic website using HTML, CSS, javascript and JSP to promote tourism
- Used SQL to built database for that website.

## Skills

Languages : Java, C++, C, ShellScript, Matlab, Python, HTML, CSS, JavaScript, JSP, SQL

Operating Systems: Windows, Linux, IOS

## Awards

**Employee of the month**: Received employee of the month for contribution in Samsung pay.

**Spot Award**: Received Spot Award for taking full ownership while developing Cordova Plugin for Samsung S-Pen.