

Arnav Gupta

CONTACT

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SUMMARY

Electronics & Electrical Engineering, Android App Development,
Android Platform Development, C, C++, Java, Linux Kernel Development.

EDUCATION

Delhi Technological University :

2012-2016 Bachelor in Technology, Electrical and Electronics Engineering
(Cumulative aggregate 68%)

Kendriya Vidyalaya, Janakpuri, New Delhi :

2012 All India Senior School Examination - Aggregate 90%

2010 All India Secondary School Certificate Examinations - CGPA 9.5

AWARDS & RECOGNITION

2014 Second Prize at "ANDROIDATION", a Android Hackathon, organised by Akosha.

2014 First prize at <gsf_hacks>, a Hackathon by GSF India, at Investopad Gurgaon

2012 Awarded KVPY Scholarship

2011 Selected among top 30 Students from Indian National

Mathematics Olympiad to attend International Mathematics Olympiad Preparatory Camp at
IISc Bangalore

2008 Awarded NTSE Scholarship

2008 All India Rank "5" in National Science Talent Search Examination by Unified Council

WORK EXPERIENCE

Android OS/Platform/Core Development

*** Android Open Source Project (source.android.com) Contributor**

> Authored long-press to copy option to QuickContactBadge
(Feature present on Android 4.4.2 and above)

> Authored 'send SMS from Dialer'
(Feature present in Android L Developer Preview and above)

*** Internship at Cube26 Software Pvt. Ltd, New Delhi (2014)**

- > App and content selective protection/encryption based on facial recognition
- > Natural gesture based human-smartphone interaction
- > Contextual app suggestions on Android lockscreen
- > Improved power management using proximity and ambient light sensor
- > Developing battery-saving mode and integrating it into core Android OS framework
- > Improved low-light reading experience using semi-transparent screen overlay

*** Author of "Android Kernel Kitchen" (www.github.com/championswimmer/kernel-tools), a popular tool/utility to modify kernel images and ramdisks of android bootimages**

*** Open source Android bringup (Android 4.1/4.2/4.3) on Xperia S, Xperia T, Xperia Z as part of CyanogenMod and AOKP projects.**

Developer and hardware maintainer at AOKP (Android Open Kang Project) and CyanogenMod, community driven custom Android firmware modification projects.

Contributions : -

[http://gerrit.aokp.co/#/q/status:merged+owner:"Arnav+Gupta",n,z](http://gerrit.aokp.co/#/q/status:merged+owner:)

[http://review.cyanogenmod.org/#/q/status:merged+owner:"Arnav+Gupta",n,z](http://review.cyanogenmod.org/#/q/status:merged+owner:)

*** Developer of various custom linux kernels for Android Smartphones**

<https://github.com/championswimmer?tab=repositories>

Android Application/Library Development

- * **Developed "Xperia Recovery Manager"** an android app that installs custom recoveries for Xperia smartphones.
<https://play.google.com/store/apps/details?id=in.championswimmer.twrpxperia>
- * **Built an android library "SimpleFingerGestures"**
This library allows android app developers to include touch based gestures like 1-finger swipes, 2-finger swipes, pinch etc in an extremely easy and modular manner in android apps.
https://github.com/championswimmer/SimpleFingerGestures_Android_Library
- * **Co-Developer of "SubtleNews", an open source Android App that collect news feeds and summarizes them so that users can get latest news in form of short summaries.**
<https://play.google.com/store/apps/details?id=in.ac.dtu.subtlenews>
- * **Developer of "Delhi Auto Meter", an Android application that records kilometers travelled and calculates fare of auto ride.**
<https://play.google.com/store/apps/details?id=in.championswimmer.delhiautometer>
- * **Co-Developer of "Detain75" a student Attendance Tracking application for android.**
<https://play.google.com/store/apps/details?id=in.co.recex.detainseventyfive>

Electronics & Instrumentation

- * **Internship at Real Time Systems Pvt. Ltd, Kolkata (2013)**
 - > Programming using "Ladder" logic
 - > Assembly line automation using PLC (Programmable Logic Controllers)
 - > User Interfacing of PLC via SCADA

Web Development

- * Developer of "DTU | Studies" (www.dtustudies.com), a college portal for Delhi Technological University
- * Themes for WordPress and GetSimple Content Management Suites (<http://github.com/championswimmer>)

ACTIVITIES

2014

- > Chief organiser and Technical Head of "CODELHI", a developer conference-cum-hackathon at Delhi Technological University
with the involvement of Google Developer Group, Delhi and IEEE DTU Student Branch
- > Invited to speak at and judge a Hackathon organised at Maharaja Surajmal Institute of Technology by GDG MSIT.
- > Presented a session on "Creating Android libraries documenting them with javadocs" at Open Source Developer Conference (osdconf) 2014

2013

- > Founded a Special Interest Group on "Open Source Software Development" at Delhi Technological University, with members comprising
students from various engineering colleges in New Delhi.
Conducted various tutorial sessions and workshops over the year under this SIG.
- > Invited to speak at DroidCon 2013, Bangalore on "Custom Open Source community-driven Android OS modifications"
- > Inducted as freelance Student Developer Partner with Sony Mobile Corporation.