

C-2-C / 2 / 65, Janakpuri  
New Delhi – 110058  
India

# ARNAV GUPTA

[www.championswimmer.in](http://www.championswimmer.in)  
[arnav-gupta@live.in](mailto:arnav-gupta@live.in)  
+91 - 8800233266

## EDUCATION

<b>New Delhi, IN</b>	<b>Delhi Technological University</b>	<b>2012 – (expected) 2016</b>
<ul style="list-style-type: none"><li>• B.Tech in Electronics and Electrical Engineering; CPI – 68% (up to 4 semesters)</li><li>• Undergraduate Coursework: Network Analysis, Electronic Devices, Digital Signal Processing, Microprocessor Design and Application, Electrical Machines</li></ul>		
<b>New Delhi, IN</b>	<b>Kendriya Vidyalaya, Janakpuri</b>	<b>2002 – 2012</b>
<ul style="list-style-type: none"><li>• CBSE AISSE (2012) – 90% Aggregate; CBSE AISSE (2010) – 9.5 CGPA</li><li>• Awarded KVPY Scholarship (2012), NTSE Scholarship (2008), TIMES Student of the Year (2009)</li><li>• School Vice-Captain (2010-11), and Head Boy of School (2011-12)</li></ul>		

## EMPLOYMENT

<b>Android Engineer (Intern)</b>	<b>Cube26 Software</b>	<b>2014</b>
Project : Micromax Canvas A310, A315, A290, A350		
<ul style="list-style-type: none"><li>• Developed SmartAlert™ system for contextual notifications on a minimalistic Lockscreen</li><li>• Improved power management and battery life using ambient light sensors and proximity sensors</li><li>• Developed Flux™ - low light reading mode that softens screen brightness and contrast using screen overlay</li><li>• Protection and Encryption of Apps and Data based on facial recognition of user.</li><li>• Developed simultaneous front and back camera capturing mode.</li><li>• Deploy Continuous Integration server and code review server for Android OS Building and CTS Testing.</li></ul>		
<b>Technical Head</b>	<b>RECEX</b>	<b>2013</b>
An entrepreneurial venture to make software solutions for college students.		
<ul style="list-style-type: none"><li>• <a href="#">DTUStudies</a>; a social platform for exchanging notes, books and connecting students of DTU.</li><li>• Developed an <a href="#">Android app</a> that can be used as a live cab fare meter, calculating distance using GPS or Accelerometer.</li><li>• <a href="#">Detain75</a> : an app that helps students keep track of their attendance in multiple courses in a semester.</li></ul>		

## TECHNICAL EXPERIENCE

### Open Source Software Contributions

- [Android Open Source Project \(Google\)](#): Bugfixes in UI and UX improvements in Dialer and Phone.
- [CyanogenMod](#) and [AOKP](#) : Bringing up open source AOSP support on a variety of Sony Xperia Smartphones; writing custom kernels and reverse engineering closed source drivers to build open source alternatives. Developing various UI/UX features that improve over the default Android offering. Building and releasing latest Android OS on Xperia smartphones much before Sony could provide updates. Improving battery life, reducing memory footprint and increase performance of the OS.

### Projects

- [Subtle News](#) (2014). Android and Web App that scrapes news articles from various sources, and summarizes them before delivering it to users in an elegant UI.
- [Coupons India](#) (2014). Android App that fetches discount coupons and vouchers for various online shops.
- [Pyrrit](#) (2014). Python client for Google's code review software "gerit".
- [SimpleFingerGestures](#) (2013-14). Android library that helps implementing touch based gestures.
- [Kernel Kitchen](#) (2012-14). A toolkit for building/modifying/extracting Android boot images and kernels.

#### ADDITIONAL EXPERIENCE AND AWARDS

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- **First Prize, GSF Hacks 2014:** Created [a social networking app](#) for students and educators
- **Second Prize, ANDROIDATHON:** Created [an app](#) that reduces time at point of sale/service transactions using Bluetooth beacons.
- **Invited to speak** at DroidCon India 2013 and [MODS 2014](#) on modifying and enhancing the core Android OS.
- **Founder & Instructor** at the Open Source Software Special Interest Group at DTU.
- **Android Event Organiser & Speaker** at Google Developer Group, Delhi.
- **Chief Organiser, coDelhi (2014)** : A hackathon cum conference on Android and Chrome development
- **Secretary (Webinars), IEEE Delhi SAC:** Organise webinars by professionals and scientists for benefit of students in engineering colleges.

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#### LANGUAGES AND TECHNOLOGIES

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- **Languages** : C, C++, Java, Python; php, XML schema
- **Platforms** : Linux, Android
- **Tools** : Eclipse, IntelliJ IDEA, Processing, Anjuta