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EDUCATION

New Delhi, IN	**Delhi Technological University**	**2012 – (expected) 2016**

- B.Tech in Electronics and Electrical Engineering; CPI – 65% (up to 5 semesters)
- Undergraduate Coursework: Network Analysis, Electronic Devices, Digital Signal Processing, Microprocessor and Microcontrollers : Design and Application, Electrical Machines, Electrical Drives
- Minor Project : Surveillance Bot powered by Raspberry Pi / Beaglebone, controllable over the internet from a browser or Android device, with live video feed and GPS llocation.

New Delhi, IN	**Kendriya Vidyalaya, Janakpuri**	**2002 - 2012**

- CBSE AISSCE (2012) – 90% Aggregate; CBSE AISSE (2010) – 9.5 CGPA
- Awarded KVPY Scholarship (2012), NTSE Scholarship (2008), TIMES Student of the Year (2009)
- School Captain (Head Boy) (2011-12)

EMPLOYMENT

Developer Relations &	**YU Televentures**	**2014-15**
Community Manager		

Launch of YUREKA, developer community buildup. Launch of YUPHORIA.

- Build a pre-launch community around Android OS customisation and hacking.
- Tech liaison between Cyanogen Inc. and YU Televentures
- Creation of forums for active YUREKA community.
- Analysis of user feedback. Set up soak-test, early-beta testing channels for Android firmware OTAs.
- Workshops, hackathons, tech evangelism to educate Android developers about working deeply with the OS layer.
- Build tools for ease of flashing, unlocking/relocking firmwares and loaders on YUREKA. Work with the open developer community to help them get open source Android working on YUREKA.

Android Engineer (Intern)	**Cube26 Software**	**2014**

Project : Micromax Canvas A310, A315, A290, A350

- Developed SmartAlert™ system for contextual notifications on a minimalistic Lockscreen
- Improved power management and battery life using ambient light sensors and proximity sensors
- Developed Flux™ - low light reading mode that softens screen brightness and contrast using screen overlay
- Protection and Encryption of Apps and Data based on facial recognition of user.
- Developed simultaneous front and back camera capturing mode.
- Deploy Continuous Integration server and code review server for Android OS Building and CTS Testing.

Technical Head	**RECEX**	**2013**

An entrepreneurial venture to make software solutions for college students.

- DTUStudies; a social platform for exchanging notes, books and connecting students of DTU.
- Developed an Android app that can be used as a live cab fare meter, calculating distance using GPS or Accelerometer.
- Detain75 : an app that helps students keep track of their attendance in multiple courses in a semester.

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.
- **Arduino IDE :** Improvements and feature additions in the UX and GUI of "Sketchbook" - the IDE used by the Arduino project. Also some bug-fixes in the Arduino compilation process.

Projects

- **LifelogAndroid** (2015) : An Android library that acts as a wrapper over the Sony LifeLog$^{(TM)}$ platform's REST API, to provide app developers easy-to-use methods to fetch data.
- **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 "gerrit".
- **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.

- **Spoke at DroidCon India 2014** and **Mobile Developer Summit 2014** on modifying and enhancing the core Android OS.
- **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.
- **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.

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