

EDUCATION

New Delhi, IN	Delhi Technological University	2012 - (expected) 2016
<ul style="list-style-type: none">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 DrivesMinor Project : Surveillance Bot powered by Raspberry Pi / Beaglebone, controllable over the internet from a browser or Android device, with live video feed and GPS location.		
New Delhi, IN	Kendriya Vidyalaya, Janakpuri	2002 - 2012
<ul style="list-style-type: none">CBSE AISSEE (2012) – 90% Aggregate; CBSE AISSE (2010) – 9.5 CGPAAwarded KVPY Scholarship (2012), NTSE Scholarship (2008), TIMES Student of the Year (2009)School Captain (Head Boy) (2011-12)		

EMPLOYMENT

Developer Relations Manager	YU Televentures	2014-15
Launch of YUREKA, developer community buildup. Launch of YUPHORIA. <ul style="list-style-type: none">Build the YU Forums, manage infrastructure, build forum sentiment analysis toolsBuild and set Code Review Server for YU Community OS.Tech liaison between Cyanogen Inc. and YU TeleventuresSet up soak-test, early-beta testing channels for Android firmware OTAs.Workshops, hackathons, tech evangelism to educate Android developers about modifying the Android OS.Build tools for ease of flashing, unlocking/relocking firmwares and loaders on YUREKA.		
Android Engineer (Intern)	Cube26 Software	2014
Project : Micromax Canvas A310, A315, A290, A350 <ul style="list-style-type: none">Developed SmartAlert™ system for contextual notifications on a minimalistic LockscreenImproved power management and battery life using ambient light sensors and proximity sensorsDeveloped Flux™ - low light reading mode that softens screen brightness and contrast using screen overlayProtection and Encryption of Apps and Data based on facial recognition of user.Developed simultaneous front and back camera capturing mode via modification to Android Camera API.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. <ul style="list-style-type: none">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.		

TECHNICAL PROJECTS AND ACTIVITIES

Google Summer of Code

[2015 - FOSSASIA](#)

- Selected as Student Software Developer for [FOSSASIA](#)'s project to create an Android App for Tech Events and Summits, and create Event Management Utility for such events.
- Project – [OpenEvent](#) : An open source framework to create reuseable Android Apps and Websites for Events, Conferences and Seminars.

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 Android support on a variety of Sony Xperia Smartphones before OEM support;
 - Writing custom kernels and reverse engineering closed source drivers to build open source alternatives.
 - Developing various UI/UX features improvements over the default Android.
 - Improving battery life, reducing memory footprint and increase performance of the OS.
 - Adding device specific kernel features like gesture wakeup, glove mode, enhanced audio.
- [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.
- [Bytes](#) (2015) – Android App + iBeacons IOT system to automate ordering at Food Courts.
- [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.

ADDITIONAL EXPERIENCE AND AWARDS

- **Speaker at** [DroidCon India 2014](#) and [Mobile Developer Summit 2014](#) : Topic- modifying and enhancing the core Android OS.
- **First Prize, [HackIndia](#)**, (*India's Largest Hackathon*): Created [StayPay](#) – A hotel booking and automation app.
- **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 (2014)**: Organise webinars by professionals and scientists for benefit of students in engineering colleges.

LANGUAGES AND TECHNOLOGIES

- **Languages** : C, C++, Java, Python (proficient); node.js, JavaScript, pHp (familiar)
 - **Platforms** : Linux, Android
 - **Tools** : Eclipse, IntelliJ IDEA, Processing, Anjuta
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