AMAN ARORA
SOFTWARE ENGINEER

Projects

Shop with Friends | Java
Winter 2016
- Developed an Android app to create and share shopping lists with friends
- Self taught and implemented **scalable database design, model-view presenter design pattern**, and security rules
- Evaluated several backend services and used **Firebase** for backend database and authentication

Custom Dialogs | Java
Fall 2016
- Wrote an Android library as a wrapper class for the Dialog class
- It allows the user to customize color, transparency, background dim, position, and content of dialog box

С.О.Я.Е. | Java
Fall 2015
- Developed Android app to run alongside the city-wide Computer and Robotics fest conducted annually by D.P.S. Dwarka
- Displayed information on specific event details, schedule, and important contacts

Guide on Basics of an APK
Fall 2014
- **Featured on XDA - Developers Portal**
- Wrote a guide to help beginners decompile and re-engineer an Android app
- Focused on information on modifications that can be made to the Android system framework files like disabling the navigation bar

Xperia Z2 Calendar Port
Spring 2014
- **Featured on XDA - Developers Portal**
- Supported backward compatibility for Sony calendar by porting it from Android 4.4 to devices running Android 4.1 and above
- Received **8000+ downloads** in a period of **less than two weeks**

V6 Customiser
Spring 2013
- Programmed a firmware customiser for the HTC Desire C
- It allowed the user to install custom system themes, themed apps, and ported application all at once
- Updated a discontinued open-source project

Activities

Computer and Robotics Society · Event Head
- Managed a team of 40 students
- Perfected the labs with the proper software and hardware, and organized three annual city-wide inter-school fests
- Conducted Android Application Development Workshops

Android M Developer Preview Discussion
- **Featured on XDA - Developers Portal**
- Provided information on installation, rooting, and mods for Nexus 5
- Wrote a script to enable split-screen feature that was hidden in the system
- Received **300,000+ page views** in 3 months

EngSoc · Volunteer
- Gave campus tours at the Engineering reunion, and open-house
- Volunteered at Hack the North and helped sponsors setup counters, floor patrol, and helped maintain hacker satisfaction.

Contact

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Skills

EXPERIENCED
C/C++
Java

FAMILIAR/LEARNING
HTML/CSS
JavaScript

TECHNOLOGIES
Android Studio
Bash
Git
SVN
jQuery

Education

University of Waterloo
1B Software Engineering
95% average

Delhi Public School Dwarka
High School 2016
97.8%, Rank #1
President of the I.T. Council

Awards

Russian Govt. ·
Full university scholarship
- Across most top universities in Russia for excellence in mathematics

D.P.S. Dwarka · Scholar
- Academic excellence for 7 years.

Hobbies

Air Hockey · Rubiks cubes and puzzles · Ping Pong