**ARJUN VEKARIYA**

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**EXPERIENCE Samsung Research Institute, Noida, India**  ***Jun’12- Jul’15***

*Software Engineer* ***(Android)***

Responsibilities:

* **Multimedia** application developerfor **Android** platform: Galaxy S series, Note series and Tab series
* ***Propose, Develop and commercialize*** new features for Video Player, Share Video, and Music Player Applications
* Resolved ***700+*** critical defects reported by QA, field test, market release, HQ and regional testing teams
* Perform ***memory optimizations*** to enhanced application ***performance*** on low end phones with smaller RAM and CPU
* Develop Android SDK to provide multimedia platform support across different android projects
* Deliver application upgrade for North America and Europe carrier operators: AT&T, Verizon, T-Mobile, BMC, Orange
* Helped my team stood **Runner’s up** for Technovate’14 by developing novel multimedia solutions for android platform
* Review code changes, adhering to coding standards (design patterns, reusability) while new feature development
* Organized various brain storming sessions to produce innovative **ideas for patents** and upcoming flagship smartphone
* Travelledseveral timesto Samsung HQ (South Korea) for developing upcoming confidential smartphone projects and Samsung Vietnam (SVMC) to offer training on Android platform and Samsung Project tools

**EDUCATION MS in Computer Science & Engineering *3.7/ 4.0***

University of Texas at Arlington (UTA), USA **Aug’*15- May’17***

***Course Work:*** Artificial Intelligence, Design & Analysis of Algorithms, Machine Learning,   
 Data Analysis & Modeling Techniques, Software Engineering, Neural Network

***Research:*** Developing state-of-the-art Deep Learning techniques for Cancer cells detection

**B.TECH in Computer Science**  Nirma University, Ahmadabad, India  **Aug’*08– Jun’12***

**SKILLS Good at:** Android, Java, Python, Shell programming | **Academic experience**: R, C/C++

**Data Analysis & Machine learning:** Deep Learning (Convolution Neural Network), Support Vector Machine (SVM) and other classifiers, R statistical language, Python data analysis package, optimization, Natural Language Toolkit (NLTK) packages

**Web Technologies:** MySQL, Hibernate (ORM), ***RESTful web Services, JSON,*** Apache tomcat  
**Tools:** Eclipse, Android Studio, PyCharm, Perforce (p4v), Bit bucket, Github

**Keywords:** Algorithms, Data Structures, Agile (Scrum), Design Patterns

**PERSONAL** [**SR Player (Video Player) - Android App on Google Play Store**](https://play.google.com/store/apps/details?id=com.srtech.android.app.srplayer)  
**PROJECTS**  <https://play.google.com/store/apps/details?id=com.srtech.android.app.srplayer>

Designed, Developed &Published a full-fledged android video application maintaining ***350K+*** downloads to date

**Platform& Tools:** Android, JAVA, Android Studio and various Android 3rd party libraries

**ACADEMIC** [***Know Your Subject***](http://arjun-vekariya.weebly.com/kys.html) **(**[http://arjun-vekariya.weebly.com/kys.html**)**](http://arjun-vekariya.weebly.com/kys.html))**: -** Developing a full-fledgedonline android application   
**PROJECTS** which will enable students to provide feedbacks and other key information about course work. This project will help university   
 students to solve serious course work related problems. (Android material design, JAVA, REST Service, JSON) **[Aug’15]**

***Home Depot Product Search Relevance: -*** Developed ML algorithm using SVM classifiers and TF-IDF document match   
 technique to predict relevance of search results on homedepot.com ([https://www.kaggle.com/c/home-depot-product-search-  
 relevance](https://www.kaggle.com/c/home-depot-product-search-%20%20%20%20%20%20%20%20%20%20%20%20%20%20%20%20%20%20%20%20%20%20%20%20%20%20%20%20%20%20relevance)) (Python, Scikit-learn and NLTK package) **[Mar’16 ~ Apr’16]**

**Indoor Navigation: -** DevelopedBluetooth basedandroid app enablingIndoor navigation for UTA Eng. building. Set Bluetooth   
 beacons to broadcast URLs providing access to key information about professor’s research, labs and office locations. We used   
 AltBeacon library to measure distance from beacons and navigate user to the desired location. **[Apr’16 ~ May’16]**

***Search Engine: -*** Built a toy search engine using TF-IDF document match technique and NLTK library (Python) **[Fab ~ Mar’16]**

***Binary Classifier: -*** Created a binary classifier achieving ***80%*+** classification accuracy. Dataset for this project includes ***200K+***   
 data samples having 280 features each.(Python, Scikit-learn package, R for data analysis) **[Feb’16 ~ Mar’16]**  
 ***Amazon Drone Delivery Simulator:*** - Devised a simulator for unmanned airborne package delivery system for Amazon delivery   
 vehicle (ADV). Also performed various tests using JUnit and JaCoCo tools.(JAVA Swing, JUnit, JaCoCo, Eclipse) **[Aug’15~ Oct’15]**  
 ***Speech Enabled E-Mail Client:* -** Developed a voice based desktop E-Mail application which recognizes human voice and   
 perform email related actions such as send, forward, reply, and delete (Java Swing and Speech and mail APIs**) [Apr’14 ~ Jul’14]**

[***DX-BALL Computer game with graphics***](http://arjun-vekariya.weebly.com/cc.html) (<http://arjun-vekariya.weebly.com/cc.html>) : - (C/C++, C graphics libraries)

**ACCOLADES Runner’s Up,** Technovate’14, a techno innovation competition held by Samsung Research Institute India   
 **Winner,** Coding Hunt, a coding competition held by IEEE Club, Nirma University, India  
 **Gold Medalist**, Secured 1st rank in state level mathematics examination, 12th Science