# **Narjit Singh**

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# **EDUCATION**

# **University of Maryland, College Park, MD** Anticipated Graduation Date: May 2018

# *Bachelor of Science: Computer Science*

# GPA*:* 3.062

# **SKILLS**

# **Languages: Proficient:** Java, HTML, CSS, Android, C **Prior Experience**: Ruby, Assembly x86, Ocaml

# **Development Tools:** Eclipse, Android Studio**,** Sublime, Xcode, Photoshop, JUnit, Adobe InDesign, Illustrator, Dreamweaver, Microsoft office: Word, Excel, PowerPoint

# **Operating Systems:** Windows XP/7/8,10, MAC OS X, Linux

# **Courses**: CMSC 131,132 (Java Programming), CMSC 216 (C Programming), CMSC 250 (Discrete Math)

# CMSC 330 (Organization of Programming Languages), CMSC 351(Algorithms), CMSC 411

**EXPERIENCE**

**Talklocal, College Park, Maryland** June - August 2016

Software Developer Intern

* Implemented an Android application that contained various religions and provided user with many features related to their religion.
* Followed Waterfall Software Development process to design and implement the whole application from scratch.
  + The application is on the Google Play Store: <https://play.google.com/store/apps/details?id=talklocal.buttontest&hl=en>
* Debugged, prepared various build versions and released them on Google App Store
* Supervised other interns on how to implement various features of the application

# **PERSONAL PROJECTS**

# **LearnTabla**

# Developed Android application that teaches users how to play Tabla (Indian drums) online.

* Integrated Audio and Video learning segments (instructions are made by me)
* Programmed and designed every single part of the app
  + Technologies used: Android studio and Photoshop
  + Clone/Download link: https://github.com/snarjit/LearnTabla2.git

# **LocalLink**

# Implementing a mobile app that allow advertisers to hire an expert based on needs of services

# Created a mockup for the app via GoMockingbird

# Clone/Download: <https://github.com/snarjit/LocalLink.git>

# <https://gomockingbird.com/mockingbird/#cg4zzeo/mBiAW>

# **ACADEMIC PROJECTS**

# **Online Test (Java)**

* Created an examination system that allowed users to add three possible kinds of questions: true and false, multiple choice and fill-in-the-blanks questions
* Graded submitted exams and generated statistical information
* Designed classes using the 5 of the 7 components of software life cycle: Problem Specification, Program Design, Algorithms and Data Structures, Coding and Debugging, and Testing and Verification

# **WordNet (Ruby)**

# Parsed large text files, used regular expressions to extract essential information and stored them into hashes

* Constructed a WordNet graph that grouped words into sets of synonyms called synsets and described semantic relationships between them.
* Generated breadth first search graph to find the length of the nodes, ancestors and find the common root of the words.

# **ACTIVITIES**

# **The National Society of Leadership and Success** (Fall 2016 - Current)

# **Virtual Realty Club** - How to create games using C# and Unity (Spring 2015-Current)

# **Cyber Security Club** (Spring 2015-Current)

# **Mobile App Developer Club** (Spring 2015 - Current)