

# Nikita Dagar

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[nikitadagar.com](http://nikitadagar.com)

## Education

Institution	Degree	GPA
University of Florida, 2016	Master of Science (M.S.) in Computer Science	3.5/4.0
IIT - Delhi, 2013	Bachelor of Technology in Computer Science and Engineering	7.92/10

## Experience

### MOBILE SOLUTIONS ENGINEER, ROYAL BANK OF CANADA LAB; ORLANDO, FLORIDA – AUGUST 2016-PRESENT

– *Android, Amazon Web Services*

Lead developer for RBC's Drive Android app, [available on the Play Store](#). It aggregates user's car details such as recalls, resale value, insurance details using Carproof API and Canadian Black Book API. It also shows offers by merchants that are relevant to the user, and articles about the latest in the auto world. Drive was released in Mar 2017 at the Vancouver Auto show.

– *HTML, CSS, JavaScript*

Implemented the user interface for showing insights about a user's spending behavior by analyzing their transaction history.

### SOFTWARE ENGINEER INTERN, ROYAL BANK OF CANADA LAB; ORLANDO, FLORIDA – MAY 2015-JUL 2015

– *HTML, CSS, JavaScript*

Developed a new mobile user enrollment flow for RBC mobile banking customers. This feature was rolled out to all one million RBC users in Canada.

### GRADUATE RESEARCH ASSISTANT, UNIVERSITY OF FLORIDA; GAINESVILLE, FLORIDA – JAN - APRIL 2015

– *C#, Microsoft Kinect*

Developed a Kinect application which recognizes body gestures like jumping jacks and waves. Also, explored how to motivate children to be more active through video games, using full body gesture recognition with Microsoft Kinect.

### ASSISTANT SOFTWARE ENGINEER, DIGITAL GREEN; DELHI, INDIA – JUN 2013 - JUL 2014

– *HTML, CSS, JavaScript, Bootstrap*

Developed an entirely new responsive design for [COCO](#) (Connect Online Connect Offline), an **open source** tool which helps Digital Green collect data of 250,000 farmers in conditions of intermittent internet connectivity. Designed and developed a tool for managing videos on Digital Green's website through which users can upload, edit and aggregate videos

## Skills

### Programming Languages

Java, JavaScript, Python, C#, Scala

### Tools and Technologies

Android, HTML+CSS, jQuery, Angular, Sketch, MySQL

## Course Projects

### FACEBOOK API, DISTRIBUTED OPERATING SYSTEMS – DEC 2015

– *Scala, Akka*

Developed an Akka actors based scalable, distributed service mimicking the Facebook REST API that could handle 1k users simultaneously making typical Facebook calls like add friend, upload photo, get friends list, create post, create photo album etc. All the data was end to end encrypted using 1024 bit RSA.

### STASH, SOFTWARE ENGINEERING – DEC 2015

– *Android*

Developed an Android application to help users manage their finances better by creating 'stashes' for things they want to save up for. Used [Plaid API](#) for banking data and [Parse](#) for the backend.