

# RISHAB KANWAL

Student Developer

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## EDUCATION

UNIVERSITY OF COLORADO BOULDER | B.S. Computer Science

August 2014 – May 2017 (*Expected*) | Cumulative GPA: 3.451, Major GPA: 3.662 | Dean's List Spring 2016

NARSEE MONJEE INSTITUTE OF MANAGEMENT STUDIES (INDIA) | B.B.A. Business Administration

July 2013 – May 2014 (*Transferred out*) | Cumulative GPA: 3.2

## EXPERIENCE

FREE & FOR SALE, INC. | Boulder, Colorado

Software Developer | November 2015 – Present

- In Techstars Boulder class of 2016.
- Currently developing a Slack App written in Node.js using botkit.
- Created a Django 1.9 + PostgreSQL REST API using Django REST Framework.
- Integrated Facebook Authentication and Facebook Graph API v.2.5.
- Implemented Basic Authentication for API calls.

BINDASSPARTY, PVT LTD. | Mumbai, India

Mobile Developer | May 2015 – Present

- Designed and developed native Restaurant manager applications for Android and iOS from scratch.
- Implemented identical application functionality across both platforms while maintaining a native look & feel.
- Integrated a REST API to fetch + update restaurant availability & orders.
- Added an AES encrypted local SQLite store for data caching and offline viewing on both platforms.
- Modified API design to improve backend query times and boost front-end JSON parsing time by up to 300%.

## COURSEWORK AND PROJECTS

### RELEVANT COURSEWORK

- Fall 2015 – Computer Systems, Algorithms, Principles of Programming Languages, Software Development Methods and Tools.
- Spring 2016 – Database Information Systems, Object Oriented Analysis and Design, Big Data, User Centered Design & Development 2.

### PROJECTS

Collaboroid (*Fully open source Group Collaboration application*)

- Currently developing native apps for Android and iOS with local SQLite stores for data caching and offline viewing.
- Developed a Django 1.9 and PostgreSQL REST API.

GPA Keeper (*Semester Wise GPA manager for Android*)

- Developed GPA Management application to track GPA over semesters with a local SQLite store for Android (Available on Play Store).
- Currently Working on a Django 1.9 REST API for online storage and seamless access across devices.

Crime Crow (*Fully open source crowd sourced crime data – Built at HackCU*)

- Won HackCU free speech prize.
- Crowd sourced crime data from Latin America using tweet analysis.
- Website + Slack App to get "Crime Map", latest updates and post crime reports.

## TECHNICAL SKILLS & INTERESTS

### PROGRAMMING LANGUAGES

Python, Java, Swift, JavaScript/Node, C/C++, Scala, HTML/CSS/Markdown, XML.

### FRAMEWORKS, PLATFORMS & TOOLS

Native Android, Native iOS, Django, SQLite, PostgreSQL, Git, Xcode, IntelliJ, Pivotal Tracker.

### MISCELLANEOUS

REST API Design, Android/iOS/Website Design, Slack App Development  
Agile Software Development.

### AREAS OF INTEREST

- Big Data, Data Mining and Analytics.
- Distributed Computing.
- User Centered Design.
- Computer & Operating Systems.
- Computer Architecture (ARM and x86).



LinkedIn  
linkedin.com/in/rishabkanwal



GitHub  
github.com/rishabkanwal