

# RISHAB KANWAL

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## EDUCATION

**UNIVERSITY OF COLORADO BOULDER** | B.S. Computer Science

August 2014 – May 2017 | Cumulative GPA: 3.54, Major GPA: 3.77 | Dean's List Spring 2016, Spring 2017

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

July 2013 – May 2014 (*Transferred out*) | Cumulative GPA: 3.20

## EXPERIENCE

**SIGMEND, INC.** | Boulder, Colorado

Software Engineer | Techstars Boulder 2016 | March 2016 – August 2016

- Developed a team sentiment tracking Slack Application from scratch written in Node.js using botkit.
- Implemented REST API endpoints for Slack application to manage bot queries and statistics.
- Setup and implemented a SinonJS, ChaiJS and ChaiHTTP testing environment for Slack Application.
- Developed an Android application for kiosks to administer satisfaction surveys and administer employee contests.
- Managed application deployment to AWS Elastic Beanstalk.

**FREE & FOR SALE, INC.** | Boulder, Colorado

Software Developer | November 2015 – March 2016

- Created a Django 1.9 + PostgreSQL REST API with Basic Auth for authentication using Django REST Framework.
- Integrated Facebook Auth and Graph APIs to Django backend to fetch user login and friend information.
- Managed Django application deployment to Heroku.

**BINDASSPARTY, PVT LTD.** | Mumbai, India

Mobile Developer | May 2015 – August 2016

- Created e-commerce management tool in native Android and iOS from scratch whilst maintaining identical functionality.
- Added an AES encrypted local SQLite store for data caching and offline viewing on both platforms.
- Integrated REST API calls to Android and iOS to automate fetching and updating data.
- Reduced request call overhead by re-implementing API endpoint structure to improve backend query times and boost front-end JSON parsing time by ~3x.

## TECHNICAL SKILLS

### PROGRAMMING LANGUAGES

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

### FRAMEWORKS, PLATFORMS & TOOLS

Native Android, Native iOS, Django, SQLite, PostgreSQL, Cassandra, Git, Xcode, IntelliJ, JIRA, Pivotal Tracker, AWS (EC2, Elastic Beanstalk, S3).

### MISCELLANEOUS

Test driven development, Agile Development, Functional programming, REST API Design, Android/iOS/Website Design, Slack App Development.

## RELEVANT COURSEWORK

- Data Structures, Computer Systems, Database Information Systems, Principles of Programming Languages, Algorithms, Object Oriented Analysis and Design, User Centered Design & Development, Big Data, Operating Systems, Machine Learning, Entrepreneurial Projects, Unix System Administration, Human Centered Computing.

## INTERESTS

- Entrepreneurship, Data Science, Functional Programming, Operating Systems & Distributed Computing.

## PROJECTS

**TWITTICAL** | Political Sentiment over time using Twitter Data | Big Data Spring 2016

- Performed sentiment analysis on millions of Tweets over 10 days and plotted sentiment over for the top candidates.
- Spark for batch processing, Cassandra for datastore and Django REST API for AngularJS frontend. Demo: <http://bit.ly/twittical-demo>

**OMMAKE** | Project management tool for Contractors | CU Entrepreneurial Capstone

- Third in CU New Venture challenge competition IT Track.
- Node.js Server with Web console and native Android and iOS Applications. Website: <https://ommake.com>

**MIXMATCH** | Experience Discovery Hub | Startup Summer Colorado 2016

- Third in Startup Summer Business Pitch Competition
- Developed native Android mock up for MixMatch. Demo: <https://bit.ly/mixmatch-demo>

**CRIME CROW** | Crowd sourced crime data | HackCU 2016

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