RISHAB KANWAL

Student Developer   720-840-2172 | rishab.kanwal@colorado.edu | rishabkanwal.me

EDUCATION

UNIVERSITY OF COLORADO BOULDER | B.S. Computer Science
August 2014 – May 2017 *(Expected)* | Cumulative GPA: 3.45, Major GPA: 3.66 | 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: 3.20

EXPERIENCE

SIGMEND, INC. | Boulder, Colorado
Software Engineer | March 2016 – Present

- In Techstars Boulder class of 2016.
- Developed a team sentiment tracking Slackbot App written in Node.js using botkit.
- Developed Android kiosk application for sentiment tracking for retail.
- Implemented REST API for Slackbot to manage bot queries and statistics.
- 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 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

RELEVENT COURSEWORK & INTRESTS

- Coursework: Computer Systems, Operating Systems, Database Information Systems, Principles of Programming Languages, Algorithms, Object Oriented Analysis and Design, User Centered Design & Development, Big Data, Machine Learning, Entrepreneurial Projects.
- Interests: Entrepreneurship, Data Science, Functional Programming, Operating Systems & Distributed Computing.

PROJECTS

Twittical *(Political Sentiment over time using Twitter Data – Built in Big Data Class)*

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

MixMatch *(The Experience Discovery Hub – Built for Startup Summer 2016)*

- Third in Startup Summer Business Pitch Competition.
- Developed native Android mockup for MixMatch, demo viewable at http://bit.ly/mixmatch-demo

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

- Won HackCU Twitter 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, JavaScript/NodeJS, Java, Swift, C/C++, Scala, HTML/CSS/Markdown, XML.

FRAMEWORKS, PLATFORMS & TOOLS

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

MISCELLANEOUS

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