

# ROHAN MANOJ THAKKAR

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## OBJECTIVE

Seeking a full-time software engineer position in Data Science & Engineering/Mobile App Dev

*Available: Feb 2017*

**LinkedIn:** [linkedin.com/in/rohanmthakkar](https://www.linkedin.com/in/rohanmthakkar)

**Website:** [27rohan.github.io/Portfolio](https://27rohan.github.io/Portfolio)

**Github:** [github.com/27rohan](https://github.com/27rohan)

## EDUCATION

UNIVERSITY OF WASHINGTON, Information School, Seattle, WA

*Anticipated: Jun 2017*

Master of Science in Information Management (*GPA - 3.66/4*) with specializations in -

1. Data Science
2. Mobile App Development
3. Business Intelligence

UNIVERSITY OF MUMBAI, K J Somaiya College of Engineering, Mumbai, India

*Jun 2015*

Bachelor of Engineering in Computer Engineering (*First Class Honors*)

## SKILLS

- **Languages:** [Python, Java, SQL, R, Bash (UNIX), Swift 3, JavaScript], [D3.js, XML, HTML, CSS3, PHP]
- **Tools:** [MongoDB, Titan, Firebase, SQL Server], [Tableau, Visio, Visual Studio], [AWS, Gradle, Jira, Git]
- **Frameworks and IDEs:** Jupyter (IPython), R Studio, XCode, Android Studio, IntelliJ, Spark, Netbeans, Eclipse

## INTERNSHIP EXPERIENCES

CYANOGEN INC., Seattle, WA

*Software Engineering Intern (Data Cloud Services): Jun - Dec 2016*

- Proposed and deployed the first prototype of the app recommender service as a set of Spark jobs that -
  - Scrapes data from S3 buckets, calculates app usage for users by delta and stores hard facts onto an EC2
  - Implements multiple Machine Learning (ML) algos, chooses the best one and stores results on other EC2
- For NewsFeeds ranking, implemented Gradient Boosting Tree for ML in scikit-learn and tried NLP using nltk
- Solely programmed and pitched a full-stack software to be integrated with the automation server, that it -
  - Performs data scraping (*REST APIs*), computation and manipulation in Python for a MongoDB server
  - Generates interactive dashboard with multiple filters for pattern-recognition using D3.js on client-browsers

LARSEN & TOUBRO TECHNOLOGY SERVICES, Navi Mumbai, India

*Development Intern: Jun - Aug 2014*

- Optimized the JavaScript code - improving its speed by almost 45% and redesigned the GUI for user-friendliness

RAJ INFORMATION SYSTEMS, Mumbai, India

*Data Management Intern: Aug - Nov 2013, Dec 2012 - Mar 2013*

- Created ETL packages for a SQL warehouse using MS-BI Suite and analyzed sales figures to increase profit by 5%

## RECENT PROJECTS

TICKET GENIE (CAPSTONE WITH ILINK SYSTEMS - REDMOND, WA)

*Scheduled: Jan - May 2017*

FREEFOOD - <https://github.com/27rohan/Free-Food>

*3 - 13 Dec 2016*

- Setup and integrated a Firebase server into the iOS App, defined its data schema and coded the data flow in Swift 3
- Using XCode and Storyboard, created the ViewController for app's settings for a user to set preferences and alerts

LEARNING FROM TWITTER (DUBHACKS 2016) - [https://github.com/27rohan/Twitter\\_Learn](https://github.com/27rohan/Twitter_Learn)

*15 - 16 Oct 2016*

- Visual recommender system that for a valid Twitter user, suggests top 10 similar users and words to tweet about
- Technologies: Twitter API, Microsoft Cognitive API, Firebase, Python, D3.js, HTML, CSS, AWS

CHASE IT - [https://github.com/27rohan/Chase\\_it](https://github.com/27rohan/Chase_it)

*Apr - May 2016*

- Built an addictive native Android game with Android Studio using Java on back-end and XML on front-end
- Features: Multiplayer mode (Wi-Fi direct), touch screen and motion sensor recognition, local leaderboard

PET PROJECTS IN DATA SCIENCE - <http://27rohan.github.io>

*Dec 2015 - May 2016*

- Achieved store-sales forecasting (*ranked in top 10%*) for 45 Walmart stores as part of a Kaggle competition
- Implemented top ML techniques in Python scikit-learn on 5 other problems, each with a different prediction focus
- Performed web scraping using BeautifulSoup on the course catalog data of IIT in CSV & pushed as SQL to AWS

COLORME (DUBHACKS 2015) - <https://github.com/27rohan/ColorMe>

*17 - 18 Oct 2015*

- Co-developed a native Android app that allows users to capture an image and displays the dominant color

PAGE INTEREST ESTIMATION (CAPSTONE) - <https://github.com/27rohan/SpiderMonkey>

*Aug 2014 - May 2015*

- Expedited web-crawling by 25%, worked on the back-end SQL database and PHP scripts connecting it to front-end