

# ROHAN MANOJ THAKKAR

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## EDUCATION

**MASTER OF SCIENCE**, University of Washington (UW), Seattle, WA  
Focus: Data Science, Business Intelligence, Mobile App Development

*Sep '15 - Jun '17*  
*GPA - 3.7/4*

**BACHELOR OF ENGINEERING**, University of Mumbai, India  
Focus: Computer Engineering

*Aug '11 - Jun '15*  
*First Class Honors*

## SKILLS

- **Languages**: Python, SQL, Java, R, Bash (UNIX) scripting, D3.js, HTML, CSS
- **Data tools**: [MongoDB, Titan, S3, Kafka, Firebase, Cassandra] [Oracle, SQL Server, MySQL] [Tableau, Visio]
- **Frameworks and IDEs**: [AWS, Jupyter notebook, PySpark, R Studio] [XCode, Android Studio]

## EXPERIENCE

**VMWARE**, Palo Alto, CA

*Data Science Engineer: Jun '17 - Present*

- Built a machine learning system to predict the resolution time for open vSphere bugs (*Python, Oracle SQL*)
- Created new reports to present stories of interest and optimized the refresh period of existing ones (*Tableau, SQL*)

**UW MEDICINE**, Seattle, WA

*Big Data Developer: Jan - May '17*

- Meshing large SQL health data from remote Linux servers & performing required analysis (*ssh, Python - pandas*)
- Mapping location data to GPS using Google Maps API & creating interactive visualizations (*D3.js, HTML, CSS*)

**CYANOGEN**, Seattle, WA

*Software Engineering Intern (Data Cloud Services): Jun - Dec '16*

- Prototyped an App Recommender service and contributed to the NewsCard ranking service that -
  - Perform machine learning using to estimate user interest for personalization (*scikit-learn, PySpark*)
  - Integrate with the AWS-based NoSQL data pipeline to scrape historical user data (*Kafka, S3*)
  - Store predictions on an AWS-based that supports querying for user through Android app (*Titan graph-DB*)
- Coded (and presented in all-hands) a full-stack software that integrates with the Lava automation server and -
  - Performs data scraping using server APIs, logs-parsing and computations for a MongoDB server (*Python*)
  - Provides on-demand interactive online dashboard with multiple filters (*D3.js, HTML, CSS*)

**LARSEN & TOUBRO TECHNOLOGY SERVICES**, Navi Mumbai, India

*Development Intern: Jun - Aug '14*

- Redesigned a website for user-friendliness and reduced its loading time by 45% by redoing its backend

## RECENT PROJECTS

**TICKET GENIE** (Capstone with iLink Systems, Redmond, WA)

*May '17*

- Coded the machine learning modeling behind all the predictions and persisted it for REST API requests (*Python*)

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

*3 - 13 Dec '16*

- Coded in Swift 3 the real-time JSON data flow (read and write) between the iOS app and Firebase server

**LEARNING FROM TWITTER** (DubHacks '16) - [https://github.com/27rohan/Twitter\\_Learn](https://github.com/27rohan/Twitter_Learn)

*15 - 16 Oct '16*

- 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 '16*

- 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 '15 - May '16*

- Understanding impact of words in critics by reviewers on the ratings using supervised ML on Rotten Tomatoes data
- Achieved store-sales forecasting (*ranked in top 10%*) for 45 Walmart stores as part of a Kaggle competition
- Performed web scraping using BeautifulSoup on the course catalog data of IIT in CSV & pushed as SQL to AWS

## ONLINE PRESENCE

**LinkedIn**: [rohanmthakkar](#)

**Github**: [27rohan](#)

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