

ROHAN MANOJ THAKKAR

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Mountain View, CA - 94041

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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 - May '15
First Class Honors

SKILLS

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

EXPERIENCE

VMWARE, Palo Alto, CA

Member of Technical Staff, Data Science Engineer: Jun '17 - Present

- Built a machine learning system to predict the resolution time for open vSphere bugs (*Python, SQL*)
- Re-architected the SQL data flow for improved design, reduced redundancies and enhanced execution times
- Created multiple new reports to present stories of interest and optimized the refresh duration of existing ones

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 to estimate user interest for personalization (*scikit-learn, PySpark*)
 - Integrate with AWS-based NoSQL data pipeline to scrape historical user data (*Kafka, S3*)
 - Store predictions on an AWS-based graph database that serves user requests through Android API
- Coded (and presented in all-hands) a full-stack software that integrated with Lava automation server and -
 - Performs data scraping using server APIs & performs parsing of logs using Google REST APIs
 - Analyzes log data and stores final computations onto a MongoDB server (*Python - pandas, numpy*)
 - Provides an on-demand online interactive dashboard with multiple filters (*D3.js, HTML, CSS*)

RAJ INFORMATION SYSTEMS, Mumbai, India

1. Data & Software Engineer (Full time): May - Aug '15
2. Data Management Intern (Part time): Aug - Nov '13, Dec '12 - Mar '13

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

LARSEN & TOUBRO TECHNOLOGY SERVICES, Navi Mumbai, India

Development Intern: Jun - Aug '14

- Redesigning a website for user-friendliness and reduced its loading time by almost 45%

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

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

Apr - May '16

- Android game supporting touch screen & motion sensor, local leaderboard and multiplayer gaming via Wi-Fi direct

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

Dec '15 - May '16

- 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

ONLINE PRESENCE

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

Website: 27rohan.github.io/Portfolio

Github: github.com/27rohan