

ROHAN MANOJ THAKKAR

rohan.m.thakkar@gmail.com

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

Mountain View, CA - 94041

Website: 27rohan.github.io/Portfolio

(206)739-4797

Github: github.com/27rohan

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 Server, MySQL] [Tableau, Visio]
- **Frameworks and IDEs:** [AWS, Jupyter notebook, PySpark, R Studio] [XCode, Android Studio]

EXPERIENCE

VMWARE, Palo Alto, CA

Data Science Engineer (FT): Jun '17 - Present

- Built a machine learning system to predict the resolution time for open vSphere bugs (*sklearn, Keras, SQL*)
- Devised an algorithm to smartly allocate quota-bound resources amongst all teams under Cloud Platform BU
- Analyzed support-requests (SR) data w.r.t. customer bugs to identify ways of lowering the SR resolution time
- Created multiple other interactive reports to present KPIs to technical and non-technical audiences in meetings
- Re-architected the data flow of the team's DWH for faster response rate and improved design

UW MEDICINE, Seattle, WA

Big Data Programmer (PT): Jan - May '17

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

CYANOGEN, Seattle, WA

Software Engineering Intern, Data Cloud Services (FT): 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 (*sklearn, PySpark*)
 - Integrate with AWS-based NoSQL data pipeline to scrape historical user data (*Kafka, S3, TitanDB*)
- Coded (and presented in all-hands) a full-stack software that integrated with Lava automation server and -
 - Scrapes log data using server APIs, parses for computations that go to on a MongoDB server (*Python*)
 - Provides an on-demand online interactive dashboard with multiple filters (*D3.js, HTML, CSS*)

RAJ INFORMATION SYSTEMS, Mumbai, India

- Data & Software Engineer (FT): May - Aug '15

- Data Management Intern (PT): 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%

KEY PROJECTS

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

May '17

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

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

3 - 13 Dec '16

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

LEARNING FROM TWITTER (DubHacks '16) - https://github.com/27rohan/Twitter_Learn

15 - 16 Oct '16

- AWS-based visual recommender system that for a valid Twitter user, suggests top 10 similar users and tags

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
- Performed web scraping using BeautifulSoup on the catalog data of IIT in CSV & pushed as SQL to AWS

TECHNICAL PAPERS

- "Business Analytics in Traffic Management System", International Journal of Computer Applications, Volume 126, Number 12, Sep. 2015, ISSN: 0975-8887
- "A Brief Survey of Algorithms used by Web-Based Recommendation Systems", International Journal for Advance Research in Engineering and Technology, Volume 3, Issue IV Apr. 2015, ISSN: 2320-6802