

# ROHAN MANOJ THAKKAR

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## EDUCATION

**M.S.,** University of Washington (UW), Seattle, WA *Information Management (Sep '15 - Jun '17)*

- **Data Science:** Foundational Statistics, Machine Learning (ML) & Data Scaling
- **Business Intelligence:** Data Warehousing, Analytics & Reporting
- **Native Mobile Applications Development:** Android app development, iOS app development

**B. Eng.,** University of Mumbai, India *Computer Engineering (Aug '11 - May '15)*

## EXPERIENCE

**ZILLOW GROUP,** Seattle, WA *Machine Learning Engineer (Jan '20 - Present)*

- Employ online experimentation capabilities to dynamically improve customer experience and engagement
- Deliver advanced measurement of successful consumer impact using marketing science methodologies
- Collaborate with scientists and engineers to productionalize ML models at 100M+ scale
- Deploy bidding and budget-pacing algorithms to optimize access to customer prospects

**Technologies:** Python, Bash, AWS (EMR, S3, EBS, Cloudwatch), Facebook Business, NoSQL, YAML

**VMWARE,** Palo Alto, CA *Member of Technical Staff 2 (Jun '17 - Jul '19) → MTS 3 (Jul '19 - Jan '20)*

- Developed multiple dashboards with automated data pipelines from different sources to present some KPIs
- Led several efforts in data science & analytics to help enhance visibility into engineering productivity
- Built features for continuous integration and delivery of core projects under the vSphere stack

**Technologies:** Python, Bash, SQL, NoSQL, YAML, Tableau

**UW MEDICINE,** Seattle, WA *Big Data Programmer (Jan - May '17)*

- Mapping location data to GPS using Google Maps API & creating interactive visualizations
- Meshing large SQL health data from remote Linux servers & performing required analysis

**Technologies:** Python, D3.js, HTML, Bash

**CYANOGEN,** Seattle, WA *Software Engineering Intern (Jun - Dec '16)*

- **Data Cloud Services:** Co-developed 2 cloud-based ML services (App Recommender, NewsCard ranking)
  - Utilize ML to recommend new mobile apps and news articles based on usage data
  - Integrate with AWS-based NoSQL data pipelines to scrape historical user data
- **Dev Automation:** Developed a full-stack software that integrated with Lava automation server and
  - Scrapes log data using server APIs, produces insights that go to on a MongoDB server
  - Provides an on-demand online interactive dashboard with multiple filters

**Technologies:** AWS (Kafka, S3, TitanDB), Python, Bash, D3.js, HTML, CSS

## COURSES / CERTIFICATIONS

- **INTRODUCTION TO SELF-DRIVING CARS** (Nanodegree), Udacity *Jun '19*
- **IMPROVING DEEP NEURAL NETWORKS** (Audit), Coursera *Oct '18*
- **NEURAL NETWORKS AND DEEP LEARNING** (Audit), Coursera *Jul '18*

## PROJECTS

**TICKET GENIE** (Capstone with iLink Systems, Redmond, WA) *Group of 2 (May '17)*

- Coded a ML-based classifier for real-time categorization of support tickets (*HTTP, CSS, Python: sklearn, Flask*)

**FREEFOOD** - <https://github.com/27rohan/Free-Food> *Group of 4 (Dec '16)*

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

**PET PROJECTS IN DATA SCIENCE** - <http://27rohan.github.io> *Solo (Dec '15 - May '16)*