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 biding 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)
  - o Utilize ML to recommend new mobile apps and news articles based on usage data
  - o 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
  - o Scrapes log data using server APIs, produces insights that go to on a MongoDB server
  - o 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*
- **NEURAL NETWORKS AND DEEP LEARNING** (Audit), Coursera   *Jul '18*
- **IMPROVING DEEP NEURAL NETWORKS** (Audit), Coursera   *Oct '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)*