**EXPERIENCE**

**VMware,** Palo Alto, CA ***Data Science Engineer, vSphere: Jun ‘17 - Present***

* Led several efforts to utilize data science & analytics to improve engineering productivity; some examples –
* Helped teams identify flaky CAT Smoke tests for a more reliable visibility into product code quality
* Formulated the cost model of VM resources to help upper management detect patterns across high usages
* Built a Machine Learning (ML) system to predict resolution time of bugs & recommend strategies
* Devised a resource allocation system encompassing all teams to minimize overall quota violations
* Built multiple dashboards with automated data pipelines from different sources to track and present KPIs

Technologies: Python *(pandas, numpy, sklearn, Tensorflow, Keras),* SQL, NoSQL, REST APIs, Tableau

* Coded features for CI/CD of projects like vSphere SDDC, VMware Cloud on AWS, vSphere delivery model -
* ETL of Jenkins pipeline failures into Impala SQL DB and build deliverables to AWS S3 buckets in parallel
* Creation of Jira bugs for failed runs with information and navigate the ticket through workflow
* Adding additional build validation checks and extending leases of VMs as and when required

Technologies: Jenkins, Python, Groovy, AWS S3, REST APIs

**Cyanogen***,* Seattle, WA ***Software Engineering Intern: Jun - Dec ‘16***

* **Data Cloud team:** Co-developed 2 cloud-based ML services (App Recommender, NewsCard ranking) that -
* Perform machine learning to personalize ads and articles based on usage data (sklearn, PySpark)
* Integrate with AWS-based NoSQL data pipeline to scrape historical user data (Kafka, S3, TitanDB)
* **Dev Automation team:** Developed 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)

**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]

**EDUCATION**

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

* **Data Science**: Foundational Statistics, 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***

**PROJECTS**

**Ticket Genie** (Capstone with iLink Systems, Redmond, WA) ***May ‘17***

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

**Free Food** - https://github.com/27rohan/Free-Food  ***Dec ‘16***

* Programmed the real-time JSON data flow (read & write) in Swift 3 between the iOS app and Firebase server
* Using XCode and Storyboard (CocoaTouch framework), created ViewControllers for settings and posting event

**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***