VIRAJ RATHOD

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EDUCATION

University of Utah, David Eccles School of Business Salt Lake City, UT
Master of Science in Information Systems *Aug. 2020*

- Coursework: Visualization with Data Science, Business Decision Algorithms using R, Data Science & Big Data, Data Structures and Statistics & Predictive Analytics.

Pune University, K.K. Wagh College of Engineering Education & Research Pune, India
Bachelor of Science in computer engineering *Jun. 2017*

- Coursework: Data Structures, Database Management, Software Engineering, Data Mining Techniques & Applications.

TECHNICAL SKILLS

- Languages: C, C++, JAVA, R, Python, HTML, CSS, JAVASCRIPT, JQUERY, D3.js
- Database: In-Memory: (Ignite, Redis), No-SQL (Solr, Elastic Search), Time-series: Influx DB
- DevOps: TICK stack, CICD (GitLab Runner, Jenkins, Ansible), ELK stack, Grafana, Microsoft Azure, Kafka, Sonarqub, Kubernetes.

EXPERIENCE

University of Utah Salt Lake City, UT
Machine Learning Analyst Intern *Sep. 2019 - Present*

- Developed **predictive & analytical** Models using Medical data for the University Medical's **ETL** based database system.
- Implemented multi-user security for Dataiku, using Sentry and Active Directory.
- Devised a Data Lineage Model using Scala and Spark's GraphX for centralized availability of Data.

Reliance Jio Infocomm Limited Mumbai, India
Machine Learning Engineer *Jan. 2018 - Jul. 2018*

- Hello Jio (Voice Assistant): Worked on **Deep speech Mozilla**, trained on 350M customer's data.
  Models and libraries used: **CNN, RNN, Wordnet, NLP.**
- Sentiment Analysis of Jio products: Automated the process of analyzing feedback, Implemented Naïve Bayes classifier, and Support Vector Machine in Python.
- System for OCR for IDs: Worked on libraries like **OpenCV** to identify text from Identity cards for the on-boarding process of new employees.

DevOps Engineer *Jul. 2018 - Jul. 2019*

- Develop, Maintain and support Continuous Integration (**CI-CD**) framework for code deployment based on **Gitlab**.
- Provisioned Servers and deployed features using **Ansible, ELK Stack, and TICK stack**.
- Actively manage, improve, and monitor cloud infrastructure on **Azure,** including backups, patches, and scaling.
- Work across functional (development/testing, deployment, systems/infrastructure) and project teams to ensure continuous operation of build and test systems.
- Worked within an **Agile development** process.

Digital Impact Square Nashik, India
Database Analyst *Sep. 2017 – Oct. 2018*

- Managed and refined a large dataset belonging to Women and Child Development Dept., India and **analyzed** the data for any occurrences of inconsistencies using MS Excel tools.

Web developer *Oct. 2018 - Jan. 2018*

- Developed a web site, using **HTML5 and CSS3**. Used **PHP** for validating the response entered, SQL queries to fetch the details of every button click using JavaScript on the site.

ACADEMIC PROJECTS

The Front Climbing Club (Capstone Project) Salt Lake City, UT
Analytics Lead *Nov. 2019 - Present*

- Meet with decision-makers, systems owners, and end-users to define business, financial, and operations requirements.
- Prepare weekly product analytic reports in **Tableau**.
- Review and analyze the effectiveness and efficiency of existing systems and develop strategies for improving or further leveraging these systems.