VIRAJ RATHOD

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EDUCATION

University of Utah, David Eccles School of Business (GPA: 3.9)　　　　　　Salt Lake City, UT
Master of Science in Information Systems　　　　　　*Dec. 2020 (Expected)*
- Coursework: Data Visualization with Data Science, Business Decision Algorithms using R, Data Science & Big Data, Data Structures and Statistics & Predictive Analytics.

Pune University　　　　　　Pune, India
Bachelor of Science in computer engineering　　　　　　*Jun. 2017*
- Coursework: Data Structures, Database Management, Software Engineering, Data Mining Techniques & Applications.

TECHNICAL SKILLS

- Programming Languages: C, C++, Java, R, Python
- Web Technologies: HTML, CSS, JavaScript, JQuery, D3.js
- Analytical Tools: DOMO, Tableau, Power BI
- Databases: Oracle 12+, SQL, MySQL
- In-Memory: (Ignite, Redis), No-SQL (Solr, Elastic Search), Time-series: Influx DB, Postgres
- DevOps: TICK stack, CICD (GitLab Runner, Jenkins, Ansible), ELK stack, Microsoft Azure, Kafka, Sonarqub.

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 SVM in Python.
- System for OCR for IDs: Worked on libraries like **OpenCV** to identify text from IDs 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.

Digital Impact Square　　　　　　Nashik, India
Data 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 to fetch the details of every button click using **JavaScript**.

ACADEMIC PROJECTS

Earthquake Damage Visualization (Final Project) *Project link*　　　　　　Salt Lake City, UT
Developer　　　　　　*Nov. 2019*
- Visualizing the damage incurred on buildings in San Francisco due to a hypothetical earthquake.

The Front Climbing Club (Capstone Project) – Data Warehousing　　　　　　Salt Lake City, UT
Analytics Lead　　　　　　*Dec. 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**.

Information Systems Hackathon: 24-Hour Analytics Case Competition (Using DOMO visualization tool)　　　　　　Salt Lake City, UT
Participant　　　　　　Nov. 2019