RISHABH JAIN

Platform Engineer

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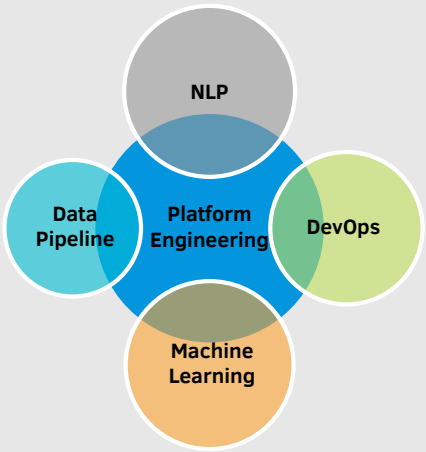
directlinks

Technical Skills

Overview



CI/CD, **NLP**, **Cloud Dataflow**, **NLTK**, **Gensim**, **Apache Spark**, **Machine Learning**, **Dockers And Containers**

Programming

Python

C

Education

BE, Electronics and Communication
(GPA: 7.2)
Birla Institute Of Technology,
2014-2018 | Mesra, Jharkhand

Intermediate, Science
(Percentage: 80.2)
Vidhyasthali Public School
2012 - 2013 | Jaipur, India

Experience

March 2019 - Present — **Cloud Engineering and Delivery** — Quantiphi

- Problem Statement: Machine Learning Model Deployment for a large number of Users.
- Solution Implementation: Utilizing Pubsub for async operations and triggering a Dataflow Pipeline to hit the API hosted on Kubernetes NodePort Service.
- Impact: Kubernetes aided in managing large user requests coordinating with Pubsub for async operations thereby reducing the down-time of application.
- Technology Stack: GCP, Python, Pubsub, Dataflow, Kubernetes

Dec 2018 - March 2019 — **DevOps & Data Pipeline** — Quantiphi

- Problem Statement: Application of Machine Learning Algorithms on incoming medical brain scan data.
- Solution Implementation: Using Cloud Function to trigger a Dataflow Pipeline which reads the incoming data from the GCS thereby classifying the CT scan image to a particular class.
- Impact: Using Cloud triggers and Dataflow has eased the on fly data predictions for medical advancement and technologies.
- Technology Stack: GCS, Python, Cloud Builds, Dataflow

Oct 2018 - Dec 2018 — **Machine Learning Engineering** — Quantiphi

- Focused on developing machine learning models, production deployment, testing, scaling
- Projects: ARTIFICIAL INTELLIGENCE FOR CHEMICAL PROPERTY PREDICTION
  Tools: Spark, Jupyter Lab, Docker, GitLab CI / CD
- Helped pioneer automated deployments of data pipelines using CI / CD, enabling faster and more portable deployments
- Developed a UI for deployment in Flask Framework
- Creating an End-To-End pipeline for predicting the chemical properties of a compound.

June 2018 - Sept 2018 — **Data-Pipeline** — Quantiphi

- Problem Statement: Develop data pipeline on premise environment to GCP Project that routes telemetry data to appropriate GCP APIs, datastores, and visualization platforms.
- Solution Implementation: Using PUBSUB to fetch the subscribed data into Dataflow Pipeline which reads the incoming time-series data and post it into openTSDB.
- Impact: PUBSUB, Dataflow,OpenTSDB and Grafana integrated as a whole is used for visualisation of a huge amount of telemetry Data.
- Technology Stack: GCS, Python, Dataflow, OpenTSDB, Grafana

Oct 2018 — **Exploratory Data Analysis on Text** — Quantiphi

- Problem Statement: Application of Natural Language Processing on Text Data.
- Solution Implementation: Using regex to clean the Data and performing transformations on the text to analyse the word cloud of the text data.
- Impact: EDA on the text data is useful for sentiment analysis and generating insights.
- Technology Stack: Python, Word Cloud, NLP, Regex