KIRTANA NAMBIAR

Data Science Intern | Data Analyst | Data Engineer | Cloud ETL Developer | Python Developer
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TECHNICAL SKILLS

- Languages: Python/R/Java/Node JS
- Libraries: Numpy, Pandas, scikit-learn, matplotlib, ggplot2, dplyr, lm, randomForest, NLTK.
- Database: SQL/ BigQuery /Google cloud storage / Cloud sql
- Cloud: Google Cloud Platform
- Data Processing platforms: Dataflow/ Apache Flink / Apache Apex
- Web Technologies: Flask/REST API/DJango Rest Framework
- Applications: Intellij / Eclipse /PyCharm /Jupyter / PowerBI /Visual Studio / Docker /kubernetes
- Messaging queue: Kafka
- Scheduler: Apache Airflow
- Operating System: Linux / Windows
- Research & Development
- Machine Learning : Regression, Classification, NLP, neural networks
- Version control: Git, Azure devops.

EDUCATION

Masters Degree in Data Analytics Engineering/ George Mason University, USA
EXPECTED GRADUATION: JUNE 2023

Bachelor of Engineering – Information Technology/ University of Mumbai
MAY 2017

EXPERIENCE

Data Science Projects undertaken:

- Redesign project using R for better visualization to convey the insights effectively, based on a New York Times article for tracking Coronavirus Cases at United States Colleges and Universities.
- Data exploratory analysis and model building using R and Python to find the impact of factors like education, age , gender, World Bank Income group of country, etc on depression.
- Data exploratory analysis and model building using Linear Regression and Random Forest regression in R to understand gender based wage gap in the United States using US census data from 1990 to 2020.

Data Engineer – GSSO-BW / Colgate Global Business Services Pvt Ltd, India
JULY 2020 - AUGUST 2020
- Responsible for gathering business data from various data sources and dumping to a data warehouse, transforming,etc using ETL pipelines and visualizing this data through a react application on a consolidated platform i.e. Content Management System, targeted towards data scientists as the end users, to gain business insights.

- Technology stack utilized to achieve this are Google cloud platform, kubernetes cluster, cloud sql, Airflow, github actions, django rest framework for the backend and react for the frontend.
- Other responsibilities include client interaction, following agile methodology, inter-team coordination, research and development, testing, documentation .

Programmer – Cloud & Analytics Team / Bitwise, India
JAN 2018 - JUNE 2020
- Worked on the backend of 'Merchant Portal', a unified portal for fast transaction management, leveraging google cloud platform and its services which includes dataflow to develop ETL jobs in Java.
- Responsible for client interactions, requirement analysis, design development, ETL pipelines development, scheduling, testing, documentation by leveraging Google cloud platform and its allied services to develop efficient solutions.
- Other services included Big Query, Cloud SQL, App Engine, Cloud Storage to develop efficient ETL solutions on cloud
- Scheduling and monitoring of workflows done through Apache Airflow based on python.
- Agile methodology workflow followed with three weeks of sprint.

Programmer – Research & Development / Bitwise, India
JUNE 2017
- Responsible for researching data warehousing concepts and implementing jobs on various streaming platforms and relevant streaming technologies to develop efficient end to end solutions for ETL pipelines involving visualization.
- Developed a real time streaming application using Apache Flink and Apache Apex on customer data using java, Kafka and REST API and deployed on an individual docker container as well as Hadoop cluster and compared the two for benchmarking purposes.
- Worked on extracting real time data from blockchain to gain insights at real time and take actions accordingly and visualize the result using Power BI.

OTHER DATA SCIENCE RESEARCH PROJECTS

- Sentimental Analysis on Shopping Sites using Natural Language Processing for product recommendation – 2017
Technology Stack: Python, NLTK, Data scraping, data preparation, feature selection, Model building using TensorFlow(Neural Network) and ensemble model, HTML, SQLite.

OTHER RESEARCH PROJECTS

- Automatic Water Pumping and Level Detection using Raspberry Pi
Technology Stack: Python, PHP, JavaScript, SQLite. (**Secured First place in VISAI 2016 International Competition.**)

- Computerized Aptitude Testing – Web Application
Technology Stack: HTML, CSS, PHP, JavaScript, Xampp Server, MySQL.

ACHIEVEMENTS

- Received appreciation from client for flexibility and commitment in delivering updated requirements in a tight deadline– Feb 2020
- Graduated as the ranker of the batch 2017 in Information Technology Engineering
- **Secured First place in VISAI 2016 International Competition** – 2017.