KUSUMAKAR SHUKLA

Bengaluru, KA 560037 | 970 392 6249 |kusumakar.shukla@gmail.com

https://www.linkedin.com/in/kusumakar-shukla-22a7a041/

Professional Summary

A motivated Data Analyst having 3.10 years of experience with deep expertise in data warehousing, process validation and business needs analysis. Proven ability to understand customer requirements and translate into actionable project plans. Dedicated and hard-working with passion for Data Science.

Skills

Skilled in Python, Pyspark and Kafka,HDFS,Big Data, ETL
NoSQL database- MongoDB,HBase
Dashboarding tools- Grafana, Plotly Dash
Operating System- Linux, Windows and MacOS

Coding Tools- Eclipse, PyCharm,Anaconda, Jupyter Notebook
Front End Technologies- React.JS
Frameworks- Django and Flask
Data Science- Supervised, Unsupervised and Deep Learning

Work History

Engineering Data Analyst

UnitedHealthCare

Jan 2019 - Current
Bangalore, Karnataka

- Work with internal constituents, including; Directors, Analysts, and Developers to understand business requirements/goals, and help capture the strategy, content, and features for layout of our reporting environments.
- Analyze data and structure from data marts
- Develop queries for investigation of data issues or creation of new report structures for business units.
- Collaborate with Project Managers to identify project status, potential risks and issues.
- Interpret data, analyze results using statistical techniques and provide ongoing reports
- Develop and implement databases, data collection systems, data analytics and other strategies that optimize statistical efficiency and quality
- Acquire data from primary or secondary data sources and maintain databases/data systems
- Identify, analyze, and interpret trends or patterns in complex data sets
- Filter and clean data by reviewing reports, and performance indicators to locate and correct problems
- Work with management to prioritize business and information needs
- Locate and define new process improvement opportunities

Software Engineer

Trianz

Client- Netapp India Pvt. Ltd. (Onsite) **Sep 2016 - Jan 2019**

Bangalore, Karnataka

- Researched, designed and implemented scalable applications for information identification, extraction, analysis, retrieval and indexing
- Worked closely with software development and testing team members to design and develop robust solutions to meet client requirements for functionality, scalability and performance
- Implemented new software applications built dashboards for enhancing data integrity across workflow
- Wrote Python scripts for daily maintenance activities, such as lags, trending errors

Education

Bachelor of Engineering: **Computer Science**

Jul 2016

Annamalai University Chidambaram,Tamil Nadu

- Member of Computer Science Society
- Received Sri Padatchiyar Scholarship by Govt. of TN twice for scoring highest grades
- Received Scholarship by NIIT for winning the aptitude test across different regions in Tamil Nadu

Passed with distinction, scored 8.78/10 (aggregate)

ISC-Class 12: **Computer Science** May 2012

Mercy Memorial School Kanpur

Member of Parliament- Head Boy

Coursework in Physics,Maths,Chemistry and Computers

Scored 91%

ICSE-Class 10 May 2010

Kanpur

Mercy Memorial School Scored with 96.6%

Certifications

Algorithmic Toolbox by Coursera Credential ID: D5LSZE7LUAKF

Examinations

International English Testing System (IELTS) Reading- 7.5

Listening-7.5 Writing-7 Speaking-7.5

Projects

1. Diabetes Readmission Prediction

November 2020 – February 2020

Project descriptionDeveloped an adaptive tool that selected the best performing AI model based on the streaming data via KafkaPipeline.

The model used three different algorithms- Logistic Regression, Decision Tree and Random Forest to predict the patients prone to diabetic readmission within a month.

The data was consumed from the warehouse using Pydobc connector. And was analysed using Pandas and the model was developed using Sklearn package.The final metrics were displayed on the dashboard built using React.JS. The tool performed with 94% accuracy.

2. Error Records Dashboard

July 2019 – October 2019

The dashboard was built to capture the error discrepancies that arise when data flows from COSMOS Database(The source of Truth) to the underlying ecosystems. The tool helped users to trace the amount of errors resolved by System and users.

Technologies used: Pyspark, Mongodb, Flask, Plotlydash, IIS

2. WallE - Automate Operations

Feb 2019 – Jun 2019

Project descriptionUHC receives medical reports contaning crucial information that is extremes essential to analyse the criticality of a case so as the process the health insurance claim of an appealer.

The project aims to automate the entire process from report parsing using Image recognition engines, to querying the databases for medicinal information, and finally applying ML algorithms to classify the critical/ non critical cases.

3. RRT Audit Dashboard

Mar 2019 – Apr 2019

Project description

RRT Dashboarding was essential to give an eagle's view to the higher management about the ongoing projects, major issues open, closed, and performance statistics of managers cumulatively.

The dashboard was built using ReactJS as frontend and Flask as the backend.

4. Data Integrity Service using Django

Jun 2018 – Jan 2019

Project description

There are numerous microservices running in the ecosystem at Netapp. This project unifies all of them, and monitors them continuously, sends alerts whenever an issue comes up in any of the services. Not only this, it also measures and plots the performance metrics using Splunk, and plots them .

Technologies Used: Django, Python, Splunk, Unix, Grafana and Influxdb