Shefali Goyal

Data Scientist

Career Objective

To pursue a highly technical career, seeking for a job in challenging and healthy work environment where I can effectively contribute my skills as software professional, Research and Technical Skills to accelerate growth of company.

Work Experience

"Transforming large, unruly data sets into competitive advantages"

Senquire Analytics Pvt. Ltd. (Feb 2019 to July 2019)

RuhlaMat , China   **May,2019 –June,2019**

Junior Data Scientist

1. Project :   **May,2019– June,2019**

RuhlaMat manufacture fully-automatic, semi-automatic and manual specialized machine. They provide us data related to all the Operation which is done by Machine and quality of Product. Here we need to analyse data and find out reason of poor quality and what is the downtime and how can we reduce it. We have used mongo dB database and perform the analysis using python data science library and worked on jupyter notebook, vs code IDE.

Responsibilities:
- Involved in requirements gathering, analysis, design, implementation and testing.
- Responsible for writing Workflow, Move to Testing Environment.
- Developed multiple graphical reports through analysis in python.
- Provided day-to-day development in timely manner.

Environment/Tools: Python, Visual Studio Code, Jupyter Notebook

Remora Trade   **Feb, 2019–April 2019**

Junior Data Scientist

1. Project : Algo Trading   **Feb, 2019–April 2019**

We were creating an Algorithmic Trading Platform for Remora and provide the solution to increase the number the profitable trades using Machine Learning.

Responsibilities:
- Implemented various quantitative as well as machine learning Approach to Increase Number of Profitable trades.
- Applied Multiple trading Strategies to Improve the Performance.(Stop Loss /Profit Taking)

Environment: Visual Studio Code, Jupyter Notebook, Flask, Django, Python, Machine Learning Libraries in Python, HTML

Ideata Analytics (logikview) Pvt. ltd. (April 2018 to Feb 2019)

SKF India Pvt. Ltd.	**April,2018–Jan, 2019**

Data Analyst

1. Project : SKF-BI Solution	**April,2018–Jan, 2019**

The Project involves providing Business Intelligence solution to India division of SKF (World's Leading Bearing & Seals Company). Used Company's in house self-service BI tool Ideata-Analytics.

Responsibilities:
- Analysing Requirements and designing plan to prepare data, Key Performance Indicator (KPI) and deliver dashboards in the stipulated time.
- Clean, Transform data per the business logic and design, develop KPIs for sales, order, AR (Account Receivable), pricing & Quotation, Customer Complaints, and Customer 360 degree view for different business units.
- Design, Develop and deliver 12 dashboard with valuable insights which help in monitoring areas like sales Performance, Rejected & Cancelled Orders.

Freelancing (November 2017 to March 2018)

Upwork	**Nov,2016–Mar, 2018**

Big Data Developer

1. Project : Market Basket Analysis	**Nov,2016–Mar, 2018**

Implement machine learning algorithm (Apriori Algorithm for Market Basket Analysis) in java and process gigabytes of data using Map Reduce Hadoop. Apart from this worked on multiple mini dataset which is present on kaggle and analyse those data in Hadoop.

Responsibilities:
- Implemented Multiple Map Reduce job in java.
- Data cleaning, manipulation and analyse data and prepare reports based on data.

Environment: Ubuntu, Java, Map Reduce, HDFS,

Dataflair Pvt. ltd. (November 2016 to October 2017)

Nov 16 -Sep 17 Fiverr, Upwork (Movie Data Analysis)

- Data cleaning, manipulation and analyze data and prepare reports based on data.
- **Role**: Big Data Analyst
- **Working on**: Hadoop (HDFS, HIVE, MapReduce), Spark, pyspark, Python (pandas, NumPy, seaborn, matplotlib, sklearn, SciPy, plotly).
- Experience of installing, configuring, testing Hadoop Ecosystem and analyzing dataset.
- Developed multiple MapReduce jobs in java for data cleaning and preprocessing.
- Image processing in Hadoop, Analyze and collection of data from different

data sources In Hadoop and R.

- Data cleaning, processing and Implementation of machine learning algorithm in R and Python.

Education

2012–2016 B.E., Shri Govindram Seksaria Institute of Technology, Indore, Percentage– 70.20 Computer Science and Engineering

2010–2011 Intermediate Vidhya Vijay Bal Mandir, Indore, Percentage 81.5, Math, Physics and Chemistry

2009–2010   Xth Board, SVM, Harda, Percentage – 88.5. Secondary School Certificate

Additional Software and Tools

Eclipse IDE	Jupyter Notebook	Anaconda	PyCharm
NetBeans IDE	R studio	Oracle 10g	

Certification

- Advanced Java Programmer Course: SSI Indore.
- Hadoop Course : SSI Indore

Academic Projects

May 2016: Election Forecasting

- The project is being made in latest technology Hadoop
- Project was developed on ubuntu 64-bit operating System
- The project is aimed at providing the forecasting model for election result.

May 2015: Restaurant Management System

- The project is being made in HTML for Front end, Java and MS access as Database Management system for back end.
- The project is aimed at making a tablet-based restaurant management system.
- Project was developed on windows8 64-bit operating System

December 2014: Airline Reservation System

- The project was made in oracle 10g as Database Management System.
- Project was developed on windows-8 64-bit operating System.
- The project was aimed at providing online solution to check the seat availability and seat reservation of flight.

Platform Worked

- **Bigdata Ecosystem:** Hadoop, MapReduce, HDFS, Hive, Flume
- **Operating Systems:** Windows, Linux (Ubuntu Based).
- **Programming Languages:** C, Java (Core), SQL, R, Python
- **Database Designing:** Oracle, MySQL
- **BI Tools:** Tableau, Power BI, Google Data Studio, klipfolio
- **NLP Tool**: Dialog flow (NLG through java program), NLTK Library
- **Python Data Science Library**: Pandas, Numpy, SkLearn, Matplotlib, Plotly, Seaborn,Scipy