Ms. Harshali Sunil Narkhede

Microsoft Certified Azure Data Engineer (DP-203)

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EDUCATION:

University of Maryland, Baltimore County - Master of Professional Studies, Data Science **Aug 2022 - current**
Centre of Development in Advanced Computing - PG-Diploma in Big Data Analytics **Feb 2020 - Jan 2021**
Bachelor of Engineering - Instrumentation **June 2014 - May 2018**

SKILLS:

Programming: Python, R Programming, SQL (Database Management).
Big Data Technologies: Hadoop, Hive, Pig, Zookeeper, Sqoop.
Data Visualization: Tableau, Power BI
Machine Learning: Regression, Classification, Clustering, PCA, Time Series Analysis.

WORK EXPERIENCE:

University of Maryland, Baltimore County - Graduate Administrative Assistant **Sep 2022 – current**

- I managed the Blumen-Compansol Database system to ensure smooth program operations.
- Collaborated with high school students in the Educational Talent Search Program, providing academic, financial aid, and college application assistance through group sessions.

Gauri Ltd, Pune, IN- Trainee Consultant **April 2021 - July 2022**

- Working on Projects related to SQL, SSIS, and Power BI.
- Optimize existing ETL and T-SQL components such as stored procedure, index, job, and user-defined function.
- Develop SSIS packages for data migration and cross-agency data transfers by scheduling through the windows scheduler.
- Created custom SQL scripts.

PROJECTS:

- **CAPM and Time-Series Analysis on Cryptocurrency** **Feb 2023 – March 2023**
  - Analyzed cryptocurrency market using Bitcoin as market index for CAPM analysis.
  - Conducted OLS regression to examine relationship between Bitcoin's excess returns and other cryptocurrencies.
  - Calculated daily returns and volatilities for risk assessment.
  - Informative insights for risk management and investment strategies in cryptocurrency market.
- **Sales and Inventory Optimization analysis for Flipkart** **Mar 2023 – May 2023**
  - Data Modelling
  - Databricks PySpark Cluster
  - Pricing Optimization: Analyzing price changes and sales volume to optimize strategies and maximize revenue or profit margins.
  - Sales Performance Evaluation: Evaluate sales performance using KPIs (key performance indicators) like revenue, customer acquisition, conversion rates, and satisfaction.
  - Sales Campaign Evaluation: Evaluate sales campaigns to measure their effectiveness and ROI in driving sales, acquiring customers, and retaining them.
  - Sales Forecasting: Predicting future sales based on historical sales data, external factors, and seasonality to support inventory management, production planning, and revenue forecasting.
- **YouTube trending Videos for Marketing Strategies.** - Data Management, Python **Sept 2022 - Dec 2022**
  - Placing ads in a targeted audience to increase sales.
  - Creating Product and Brand recognition.
  - Data Visualization For analysis of trending videos based on categories.
- **Revenue Prediction of Startups** - Python, Machine Learning **Sept 2022 - Dec 2022**
  - Predicting Revenue of startups based on the industry vertical and sub-vertical.
  - Classification of Investment type depending on industry vertical and sub-vertical using random forest Classifier.
  - Forecasting Revenue of startups with the ARIMA model.
- **Business Analysis and Future Predictions** - Python, Machine Learning, Flask, Tableau, PySpark **Jan 2021 - Jan 2021**
  - Future Prediction was done using Time Series Analysis.
  - Machine learning model using FB Prophet Algorithm.
  - Created UI using Python Flask Framework.
  - Overall Analysis was done by using Dashboard created by Tableau.
- **Web Scrapping and Data Cleaning** - Python **May 2021 - June 2021**
  - Extracted Information from web Pages using Python Selenium.
  - Raw data were transformed to clean data using the Python Pandas library.
  - Later same data was used for the machine learning model for Prediction.
- **Remote Monitoring of Track Grinding Machine**-PLC Based **June 2017 - April 2018**
  - To minimize errors in bearings and avoid breakage of machinery and send readings to a particular client.
  - The fault is recognized at an early stage.
  - Reducing the machine breakdown time due to real-time warnings.
  - Project has helped to increase the quality of the product and reduced scrap percentage.