PRINCEWILL GEORGE, ^{MBA, PMP.}

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Core Skills:

Data analytics, Data science, Machine Learning, Business Intelligence, SQL, Python, PostgreSQL, Git, Pyspark, Power-BI, Tableau, Plotly, Matplotlib, Seaborn, DAX, Excel (Macros, Pivot), Azure, Data Cleaning, Pandas, Jupyter notebook, Requirement gathering, AWS Administrator.

Education

- **Netflix Advanced Data Science Boot Camp** (Aug 2022 – Dec. 2022)
- **Project Management Institute –** Project Management Professional, **PMP (**May 2024)
- **Master of Business Administration (MBA)** Project Management • Earl Graves School of Business & Management (GSBM), Morgan State University – Baltimore, MD (Dec 2020)
- **Bachelor of Science Computer Science** • Nnamdi Azikiwe University Awka, Nigeria.

Work Experience:

Data Analyst, at Maryland Transit Administration (Jeezny) – (Dec. 2021 – Current)

- Use Python to clean data, import and use libraries like pandas, matplotlib, created dataframes, performed file joins, perform calculations, reorder columns, reorder index, extract data to Power-BI to create calculations and measures to develop a revenue tracking dashboard for the Bus operations department, resulting in 10% increase in revenue during the first month.
- Use SQL, Python, Scikit-learn and predictive time series machine learning models to clean, model, analyze, evaluate, forecast, and implement optimal predictive and preventive bus operation activities resulting in 15% increase in bus availability and utilization.
- Created a Database and an ETL workflow, used python to read data, used python functions to clean data, converted objects to dictionary and to list using list comprehension to loop through each data, performed calculations and splits, reorder columns, extract data to csv, created an ERD diagram and a DB schema, created a new DB in postgreSQL, import and run DB schema with appropriate relationships, import cleaned csv and run analysis on the DB, for On-Time Performance and personnel availability dashboard.
- Responsible for collecting data and creating power BI visualization dashboards, data modelling and analysis for structured data and unstructured data, for MTA departments.
- Developed predictive analysis dashboard improving scheduling accuracy by 11% using Power-BI.
- Utilized DAX functions, measures, and calculated columns to build dashboards to monitor and track MTA's department of Bus Operations performance
- Spearheaded the development of end-to-end analytics solutions using requirements gathered from key stakeholders, determined key performance metrics, and built dashboards to track and analyze trends for optimum bus operations.

Power BI Developer, at Coven Works, - (Jan 2021 – Nov 2021)

- Responsible for collecting and creating power BI visualization dashboards, data modelling and analysis for structured data and unstructured data.
- Use Python to clean data, imported and used libraries like pandas, matplotlib, created dataframes, performed file joins, perform calculations, reorder columns, reorder index, extract data to Tableau to create calculations, measures, parameters and develop a dashboard for the sales manager, resulting in 30% sales increase in the first month.
- Created a Database and an ETL workflow, used python to read data, used python functions to clean data, converted objects to dictionary and to list using list comprehension to loop through each data, performed calculations and splits, reorder columns, extract data to csv, created an ERD diagram and a DB schema, created a new DB in postgres, import and run DB schema with appropriate relationships, import cleaned csv and run analysis on the DB.

- Using DAX in Microsoft Power BI, I built interactive maps and data dashboard for shipping locations, oil vessel movement and steel supply across China for the business team.
- Developed interactive dashboards for easy refresh with data sources from Microsoft Excel, SQL
- Developed a Covid-19 Dashboard for the health board of Arlington during the pandemic.
- Worked on Loan Analysis for a Customer, used python to clean data, read JSON files, converted objects to dictionaries and dictionaries to lists, using list comprehension, used numpy for calculations and matplotlib to view the data distribution. Extracted cleaned data to Tableau calculating measures, metrics and creating interactive dashboard with the data.
- Pull-data using SQL, developed a Real-estate dashboard for realtors and sales revenue projection.
- Predicted successfully, using historical monthly data, from financial records, the potential monthly sales of the organization to an accuracy of 94.6%

Data/Project Analyst, at Maryland Transit Administration, - (July 2019 – June 2020)
- Manage and coordinate improvement initiatives to enhance outcomes for On-Time Performance of Bus transportation. Work closely across the matrix with engineering, maintenance, finance, and safety department to improve bus transportation operations from 65% to 80% On-Time Performance.
- Pull data from Maximo, Led a team of 5 in design of data reports. Reported operator KPI on dashboard.
- Analyzed and track weekly revenue data to chart whether department hit goals.
- Developed and built bus availability dashboard with power-pivot to yield 20% improvement in bus availability.

Key Achievements:
- Upgraded bus operations on-time performance from 65% to 80%.
- Analyzed special event financial tracking to recover millions of dollars in unclaimed revenue.
- Directed team in reorganizing workforce management systems, boosting productivity and abating absenteeism, saving state $4 million+.

IT Support, at Morgan State University, - (Apr 2019 – June 2019)
- Analyzed data to identify trends and root cause of equipment defects, upgraded IT services and improved resource availability from 70 percent to 92 percent.
- Analyzing data and reporting on daily and weekly progress of user-support tickets.
- Managed and maintained IT labs, network infrastructure, printing services and associated equipment.
- Provided tech support for students and faculty. Installed, configured, managed windows servers, domain controllers, DHCP servers, DNS servers, created user accounts, groups, group policies.

Cloud Engineer/SQL DB Admin, at DESCASIO (Jan 2017 – Feb 2019)
- Team-lead infrastructure management, Customer-facing, managing SQL servers both On-premises and on Azure, server migration to Cloud, creating, and monitoring virtual machines, creating alerts, storage account, resource groups, monitoring of on-premises servers.
- Analyze data to chart five (5) years of on-premises server expenditure vs cloud-based expenditure for Customers application server environment hosted on-prem.
- Planned scope, schedule, budget, risks, resources, and communication, leading engineering team in Cloud computing solutions for clients.
- Administered IT infrastructure executed data migrations, software debugging, and system patching.
- SQL DB Server Administration, SSIS, ETL, managing production, test, and all servers. (Installation, transactional replication, Data Warehousing, version update, monitoring, backup and restore, job automation/scheduling, database population of tables/articles, etc.)
- Management and maintenance of all windows servers for Customers with the team; installation, monitoring, RAM upgrade, backup strategy (CHECKPOINTS), redundant strategy, disaster recovery, patching etc.