Deepak Vishwakarma (Data Analyst)

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Linkedin: Deepak Vishwakarma | **Github**: DPK-VK

Work Experience

Consultant, Ernst & Young, Bangalore (Dec 2021- Present)

- **Finance Data Analyst –** Preparing reconciliations & further performing variance analysis for the accounting team, running automated python workflows regularly, supporting in automation of reports for multiple teams, Perform UAT testing for new codes under development. **Tools used:** Snowflake (SQL), Python, Looker, GitHub, Airflow, Google sheets.
- **Microsoft Power BI-** Developed & automated POC report using Alteryx and Power BI to display the reconciliation of the financial data from 3 different applications.
- **Audit Associate (US Central)-** Milestone Dashboard preparation using SharePoint database in Power BI, Preparation of workpapers, Testing of controls, Clerical testing, Sample selection, SCOT Identification, TB Preparation, Dividend Testing, Cash and Interbank transfer testing, Financial statement analysis, Variance analysis, etc. **Tools used**- Power BI, Excel, Python.
- **Data Analyst, IFRS 17 Implementation (Middle East)**
  IFRS 17 implementation, Data requirement, Data quality check, data transformation to make ready for processing in tool, data mapping, validation of deliverables. **Tools used:** Excel, PostgreSQL.

Skills & Interests

- **Snowflake, Postgre, SQL**: Querying database, Exploratory data analysis, Data manipulation, Complex functions & subqueries, database administration, Implementing Constraints, etc.
- **Python**: Exploratory data analysis, Supervised & Unsupervised machine learning (Linear Regression, Logistic Regression, Random Forest, Decision Tree, K Means Clustering), Predictive Analytics, Machine Learning models, Web Scrapping, NLP (Sentiment Analysis), Time Series Analysis.
- **Power BI**: Data Modelling, Reporting, Exploratory analysis, Using DAX in Measures & Calculated columns, Deployment of reports, Implementing RLS.
- **Microsoft Excel**: Usage of formulas, Pivot tables, Power Pivot, etc.
- Financial Modelling using spreadsheet

Projects & Initiatives | Github: DPK-VK

- **Data Scrapping & Topic Modelling of Flipkart reviews**- Scrapped reviews of iphone14 from Flipkart using BeautifulSoup further observing html tags assigned to the datapoints and creating a for loop to extract data from all the pages. **Tool used**- Python (Libraries: bs4, requests, pandas, nltk, sklearn)
- **Credit Card Fraud Detection using Logistic Regression in Python**
  Corrected the imbalanced data using Under-sampling technique and trained the logistic regression model to predict if a transaction is a fraudulent or not based on various dependent variables related to credit card. **Tool used**- Python (Libraries: pandas, numpy, sklearn)
- **Global Terrorism Dashboard (1970-2017) using Power BI**
  Applied data modelling and DAX measures and calculated columns and developed a summary of attacks over the period, Terrorist organization level report and Specific attack level report using Maps, Line chart, stacked bar chart, Slicers, Donut chart, Treemaps. etc.
- **Fish species weight predictions using Multiple Linear Regression in Python**
  Applied multiple linear regression technique in python to create a model to predict fish species weight based on various dimensions of the fish. **Tool used:** Python.
- **The Study on causality between Gold and Silver prices in Indian Context**
  Applied Granger Causality technique using VAR model on price data from 1990-2019, supported my results with FEVD and IRF. **Tools used**: R & Excel.

Achievements & Certifications

- Business Analytics Specialization Program by KPMG India
- Microsoft Certified: Power BI Data Analyst Associate (PL300)
- Microsoft Certified: Azure Fundamentals (AZ-900)
- EY Spot Award (Sep 2022 & Sep 2023)
- NISM-Series-VIII: Equity & Derivatives
- Subject topper in Economics in class 12.
- Business Mathematics topper in Graduation

Academics

- **MBA (Finance & Business Intelligence)** (2018-20) | Rajagiri Business School, Kochi
  Major Courses: Data Analytics in R & Python, Data Visualization in Tableau, Social & Web Analytics, Financial Modelling, Securities Analysis & Portfolio Management