Anirudh Venkataramanan

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EDUCATION

Stevens Institute of Technology, Hoboken, NJ   **Dec 2022**
Master of Engineering in Engineering/Industrial Management   **GPA: 3.64/4**
Coursework: Integrated Supply Chain Management, Decision Making via Data Analysis, Python for Engineering Management, Operations Research, Project Management, Engineering Economics and Cost Analysis, Decision and Risk Analysis etc.

B M S College of Engineering, Bengaluru, India   **Dec 2020**
Bachelor of Engineering in Mechanical Engineering

WORK EXPERIENCE

Unity Furniture Crafts LLP, Bengaluru, India   **May 2019 – Nov 2020**
Business Analyst

- Spearheaded the development and implementation of data visualization dashboards using tools like Tableau, PowerBI enabling real-time tracking of key production metrics (Cycle Count, Production Yield etc.) for better decision-making.
- Leveraged VLOOKUPS and PivotTables in day-to-day collection, preprocessing and organization of sales data..
- Utilized historical sales data and market trends to develop accurate demand forecasts, enabling the company to align production levels with customer needs and minimized excess inventory by 10%, leading to higher profit margins.
- Provided guidance to new interns, facilitating their understanding of departmental processes and procedures and assisted them in becoming acclimated to the work environment.

SKILLS

Programming Languages & Tools: DBMS (MySQL), BI (Tableau, Power BI), Python (Pandas, NumPy, Seaborn, Matplotlib, sci-kit learn), R Programming, MS Excel (Pivot Tables, Lookup, Array Functions, Power Pivots), Minitab, SAP, SABRE, LUCID, Google Cloud, BigQuery, Looker Studio

Certifications: Six Sigma Foundations, Data Analysis using Excel **(Corporate Finance Institute)**, Operational Excellence Foundations, Excel: Supply Chain Analysis and Transportation Problems, Cash Flow Analysis **(Corporate Finance Institute),** Learning Minitab, SAP ERP Essential Training

Methodologies: Data Analytics, Six Sigma, Lean Manufacturing, Kaizen, 5S, FMEA, PDCA, Just-in-Time (JIT), Demand Forecasting, Warehouse Management, Continuous Improvement, VSM, Project Management, Supply Chain Management, Agile, Accounting, Cash Flow Analysis, ETL

ACADEMIC PROJECTS

End-to-end Uber Data Analytics (SQL, Python, BigQuery, Mage-A.I, Looker Studio) *(Link)*   **May 2023 – Jul 2023**

- ***End-to-End Data Engineering Project*:** Successfully designed and executed a comprehensive end-to-end data engineering project using Lucid, MAGE-AI, Python, Google Cloud, and BigQuery. Leveraged these tools to efficiently process, transform, and analyze large-scale Uber dataset, showcasing practical data engineering skills.
- ***ETL using Mage-AI and Lucid*:** Demonstrated expertise in ETL by creating an intuitive and informative Entity-Relationship Diagram (ERD) using LUCID, effectively representing the entities, attributes, and relationships present in the Uber dataset.
- ***Google Cloud and BigQuery Integration*:** Utilized Google Cloud Platform (GCP) services, specifically Google BigQuery and leveraged the power of distributed processing to handle complex analytical queries, optimizing data retrieval and analysis efficiency. Designed and developed customized dashboards and reports in Looker Studio, effectively presenting key performance indicators (KPIs) like the total revenue, average trip distance and fare amount and other insights relevant to the ride-sharing domain

Exploratory Data Analysis of Olympic Games from 1896-2016 (SQL, PowerBI) *(Link)*   **Mar 2023 – Apr 2023**

- ***Data Analysis and Insights*:** Successfully executed 20 diverse SQL queries to analyze and extract valuable meaningful information from the dataset spanning 120 years of Olympic history with over 270k records, unearthing valuable insights into participation trends, athlete achievements, and national success rates..
- ***Historical Trends*:** Identified and highlighted significant historical trends, such as the evolution of athlete participation, gender representation, and changes in sports popularity across multiple Olympic games...
- ***Data Storytelling:*** Mastered the art of data storytelling by transforming the raw data into visually appealing insights using SQL results and presented the same in a structured and engaging manner, making complex data accessible to a wide audience.

Identifying a Counterfeit Issue in Fond-Rouge (Excel, Python, SAP) *(Link)*　　　　　　　　　　　　　　　　**Dec 2022 - Jan 2022**
- *Data Selection and Assessment*: Conducted market research, consumer needs analysis in Excel using the given dataset to identify the sources of Fond Rouge's counterfeit problem in the US.
- *Data Modelling using SAP Analytics Cloud:* Performed data wrangling using Python and created a model using SAP Analytics Cloud to narrow down on the locations with highest number of order returns
- *Data Analysis and Visualization*: Calculated the Refund/Revenue ratio and Average Sentiment and developed dashboards, charts to visualize the locations with the least sentiment score, highest revenue contributions. These key insights were demonstrated in a video presentation

Merchandise Planning with Lululemon *(Link)*　　　　　　　　　　　　　　　　　　　　　　**Aug 2022 - Dec 2022**
- Developed a forecast model to attain projected sales with a high level of accuracy, with the aim of reducing total inventory costs by 12%
- Constructed an inventory schedule for 12 weeks to achieve optimal stock-to-sales ratio, sell-thru % and missed sales rate.

Financial Forecasting with Goldman Sachs *(Link)*　　　　　　　　　　　　　　　　　　　**Aug 2022 - Oct 2022**
- Projected 5-year cash flow estimates of a cupcake business, helping them track progress in achieving debt repayment gols and maintaining positive cash balances
- Presented data in charts for easy visualization and comprehension by identifying trends and anomalies in the financial data

Virtual Business Analysis Trainee with TATA *(Link)*　　　　　　　　　　　　　　　　　　**Aug 2022 - Oct 2022**
- Synthesized over 550K data points from sales analytics using Tableau to isolate & define key indicators like locations with highest order returns, seasonality in sales, monthly trend in revenue, customer % with repeating orders etc.
- Developed a promotional plan to have a larger reach in the market boosting sales and profitability and determined the costs associated with the same.

Building Interactive Dashboards using Tableau (Self Taught)　　　　　　　　　　　　　　　**Jun 2022 - Present**
- Conducted extensive analysis of a large-scale video games dataset, comprising 17,000 records, utilizing Advanced Excel functions to clean, preprocess, and transform raw data into a structured and usable format.
- Leveraged Tableau's features to create 8 dynamic charts, graphs, and interactive maps, showcasing key insights and trends related to video games sales, genres, platforms, and user ratings to the university audience.

Strategic Allocation of Business Resources　　　　　　　　　　　　　　　　　　　　　　**Jan 2022 - May 2022**
- Harnessed customer, competitor and market insights to strategically allocate business resources and secure a desired positioning map against top competitors using SABRE simulation software.
- Identified and capitalized on untapped market segments to grow new customer acquisitions by 25%, lifting revenue growth by 6.97%.
- Researched Facebook Ads demographics to accurately gauge the potential market size, followed by direct outreach to local vendors yielding a rough estimate of Sales Forecasts.
- Constructed project Work Breakdown Structure (WBS) for team members correlating tasks with outcomes to optimize workflow

ACCOMPLISHMENTS
- Awarded the best project in class for the Project Management Course (EM-612)
- Created a soccer fan page (Real Madrid Los Blancos Central) with above 100,000 followers over various social platforms and conducted several podcasts and forums reviewing the games