DAT NGUYEN

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Portfolio: https://datng87.github.io/

SUMMARY

Detail-focused Data Analyst passionate about sharing hidden treasures laid under the coverage of data for organizations. Earned a Certificate in Data Analysis from Monash University to equip me with updated analysis tools and statistical packages. Experienced in building dashboards for management to monitor KPI and make data-driven decisions. Strong analytical and problem solving skills with the ability to discover insights from data and present meaningful stories to audiences. Excellent at mathematics, statistics, and communication skills, as well as a commitment to delivering exceptional results and meeting deadlines.

TECHNICAL SKILLS

Programming Languages: SQL, Python, R, VBA, JavaScript, HTML5, Spark.
Applications: Power BI, Excel, MySQL, Tableau, PostgreSQL, GitHub, MongoDB.
Tools: ERD design, SQLAlchemy, Pandas, Numpy, Jupyter Notebooks, AWS, S3, Seaborn, Matplotlib, Git, Flask, splinter, BeautifulSoup, scipy, Scikit learn, TensorFlow, pyspark.

PROJECTS

Movie rating prediction | https://github.com/datng87/movies_success_prediction | https://movies-rating-prediction.herokuapp.com/
- The project is to build a web application to predict the rating of movies based on big, complex datasets extracted from Web scraping and 3 data sources APIs: IMDB, OMDB, themoviedb using Machine Learning in Python with various models tested.
- Core responsibilities: work on Data extraction; complete data wrangling using Pandas; pre-process data including encoding category data, normalize data; train and test data in machine learning using various models for best accuracy.
- Analytical tools / languages used: Python, Pandas, scikit-learn, GridSearchCV, BeautifulSoup, seaborn, Jupyter Notebook, flask, HTML, JavaScript, D3.js.

World coffee consumption ETL | https://github.com/datng87/world_alcohol_ETL | https://coffee-worldwide.herokuapp.com/
- The project applied ETL concepts (Extract, Transform, Load) to collect the worldwide coffee consumption data, complete data modelling, and data manipulation to ensure data quality, data integrity, and data accuracy, and then store them in a designed structured SQL database. A web app is also built to visualise the data for analysing.
- Core responsibilities: Developed a Flask app to connect, create SQL queries to databases, and created the data visualisation (choropleth map, interactive charts).
- Analytical tools / languages used: Postgres SQL, ERD design, Python, SQLAlchemy, Flask, Bootstrap, Plotly.js, ChartJS, D3.js.

EXPERIENCE

Buyer   Nov 2020 – Now
ASSA ABLOY Australia PTY LTD   Melbourne, VIC
- Timely release purchase orders in line with agreed parameters and constraints.
- Negotiate, influence and manage supplier agreements.
- Build relationship and maintain relationship with suppliers.
- Identify cost-cutting opportunities. Implement and administer cost-saving projects.

- Control and demonstrate continuous improvement in optimising inventory levels, lead time, safety stock, and replenishment parameters ultimately leading to a reduction in backorders and lost sales while ensuring quality and delivery service level.

Key Accomplishments:
- Improve 15% year-to-year inventory level in 2022 by developing inventory BI dashboard using Python and PowerBI which helps the management to monitor and support decision-making.
- Create scripts using Excel Visual Basic Analysis (VBA) to automate the purchasing processes and reporting, resulting in a saving of 600 hours of manual work annually.

Production Planner   Feb 2019– Oct 2020
CMS Electracom   Melbourne, VIC
- Coordinated with production, procurement and warehouse team to ensure the production schedule was met and orders were shipped to customers on time.
- Proposed recovery plans for late order, and resolved issues affecting DIFOT (delivery in full on time)
- Arranged with Customer Service on current ordering status.

Key Accomplishments:
- Built automated prioritization Excel reports for production and dispatch teams that decreased the number of urgent late orders by 80%.

Production planner and New Product Integrator   Nov 2011 – Jan 2018
Intel   Ho Chi Minh City, Vietnam
- Established manufacturing systems, standard working instructions, specifications (SPEC) documentation for new business processes, and trained the technicians.
- Created the production schedules of 6 million units per week (including conversion schedules, changeover schedules) and managed inventory planning.
- Collaborated with internal stakeholders (Module Engineer, Material Engineer, Quality Engineer, Finance) to implement the continual improvement projects without impacting the factory schedule.

Key Accomplishments:
- Produced One-click-fie using VBA to automate the kitting and WIP (work in progress) controlling process, resulting in a 15% reduction of the cycle time of chipset products.
- Built an online splitting and merging system to enable the traceable split merge capability at Wirebond module which helped increasing the operation utilization by 20% and removed the bottle neck.

EDUCATION

Certificate in Data Analytics:
Monash University, Melbourne, VIC   2022
A 24 weeks intensive program focused on gaining skills in Python, SQL, MongoDB, R, VBA, HTML, JavaScript, Tableau, Big Data, and Machine Learning.

Certified Supply Chain Professional (CSCP)
ASCM - Association for Supply Chain Management   2021

Certified in Production and Inventory Management (CPIM)
ASCM - Association for Supply Chain Management   2020

Bachelor's Degree in Electrical Engineering:
Portland State University, Portland, Oregon, USA   2011