Phone Sett Paing

Mandalay, Myanmar · +95-9785105063 · phonesettpaing@gmail.com
LinkedIn: https://www.linkedin.com/in/phone-sett-paing-837b48201
GitHub: https://github.com/PhoneSettPaing
Portfolio: https://phonesettpaing.github.io/

Skills

- Python (Pandas, NumPy, ETLs)
- SQL (MySQL, PostgreSQL)
- NoSQL (MongoDB)
- Apache Spark
- Apache Airflow
- Apache Kafka
- Shell Script
- AWS Cloud (S3, Glue, Athena)
- Excel, Tableau

Projects

Data Modelling and Data Warehousing the DVD Rental Sample Database in AWS Redshift
- Exported tables from **PostgreSQL** database into **AWS S3** bucket
- Created and Run **AWS Glue Crawler** and used **AWS Athena** to query tables in **S3**
- Created the **Star Schema Data Model** for **AWS Redshift** Data Warehouse
- Created a cluster and a database in **AWS Redshift**
- Created and Run **ETL job in Jupyter Notebook** and **AWS Glue Job** to upload tables from **S3** into **Redshift**
- Connected **Tableau** with **Redshift** to create a report **dashboard**

Real-Time Sales Data Analysis Application
- **Explored** and **Wrangled** sales dataset from Kaggle
- Written and run a **Kafka Producer** python script to **stream** sales data to "sales topic" **topic in Kafka server**
- Written and run a python script to create database and tables in **MySQL** to store processed data
- Written and run a python script which uses **Spark** to **ingest, process and store** data from "sales_topic" Kafka topic into **MongoDB** and **MySQL**
- Created a **live dashboard** in **Apache Superset** using data from sales and stocks tables in **MySQL**

IBM Data Engineering Capstone Project
- Created a data platform that uses **MySQL** as an **OLTP database** and Wrote a **bash script** that exports all rows in a table to a file to **automate** the export of the daily incremental data
- Created a data platform that uses **MongoDB** as a **NoSQL database** then imported data into that database and query data and export the data from database as csv file
- Designed and implemented a data warehouse and query to generate reports from the data in **IBM DB2**
- Created a connection between table in **IBM DB2** and **Watson Studio** with added **Cognos Dashboard Embedded (CDE)** service to create a **Reporting Dashboard**
- Created a python **ETL script** that can be used to **schedule to sync up** the data between **MySQL staging** data warehouse and **IBM DB2 production** data warehouse
- Created an **ETL pipeline** using **Airflow** which analyses the web server log file, extracts the required fields, transforms and load them into a tar file
- Created a **Spark Session** and loaded a **pre-trained sales forecasting model** and used this to **predict the sales** for year 2023

IBM Data Analyst Capstone Project
- Collected data for the technology skills that are in demand using **APIs** and **Web scraping**
- Prepared the collected data for analysis by finding and **removing duplicates**, finding and **inputting missing values**
- Done an **exploratory data analysis** on the cleaned data such as finding the **distribution** of data, presence of **outliers** and also determine the **correlation** between different columns in the dataset
- Used **SQL queries** to **extract the data** from RDBMS and **Visualize** the **distribution** of data (Histogram, Box Plot), the **relationships** in data (Scatter Plot, Bubble Plot), the **composition** of data (Pie Chart, Stacked Chart), the **comparison** of data (Line Chart, Bar Chart)
- Used **IBM Cognos** to create **interactive dashboards** to help me analyse and present the data dynamically
- Created a **power point presentation** to present the findings of my analysis

Work Experience

Retail Manager at Mya Gon Yaung, Mandalay
Jan 2021 - Present

- Handling cash, deliveries, returns and writing receipts
- Counting up the day's sales and reporting it
- Reorganized the display merchandise in stores which lead to an increase in sales
- Suggesting which merchandises to restock in which month after analysing the sales and social media
- Increased the sales by asking employees to suggest small items and items that are tend to buy together to customers

Research and Assistant Engineer Intern at Pro Engineering Co., Ltd, (PEC), Mandalay
Oct 2019 – Feb 2020

- Analysing new products, web services and writing reports about them
- Soldering and testing electronic components for LED light bulb
- Assist in designing a small solar power system
- Traveling to remote villages for fieldwork
- Research in making energy monitoring system which uses LoRa communicable meters

Crew Member at McDonald's, Southampton
Jun 2019 – Sep 2019

- Cook food orders and maintain proficiency at every station
- Back up other crew members to keep team workflow at efficient level
- Stocking shelves and resupplying dining area, kitchen, and counter areas
- Clean kitchen area and equipment
- Greeted customers at counter and took orders, suggesting menu items

Education

BEng in Electrical and Electronic Engineering, University of Southampton, Southampton
Sep 2015 – Jun 2019

Certificate

IBM Data Science Professional Certificate, Coursera

- https://www.coursera.org/account/accomplishments/professional-cert/98AR5Z9JCYRM

IBM Data Engineering Professional Certificate, Coursera

- https://www.coursera.org/account/accomplishments/specialization/certificate/ULRT7G5UJFV5

IBM Data Analyst Professional Certificate, Coursera

- https://www.coursera.org/account/accomplishments/specialization/certificate/8RXKNAPX72ZD

CCNA Certificate, Cisco

- https://drive.google.com/file/d/1-JlvhXFKiLDkHtUlqXmmV3_15KV4fO9R/view?usp=drivesdk