JUSTIN LEE

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PROFESSIONAL SUMMARY

I am Data Science graduate from Queensland University of Technology(QUT), having completed my degree in November 2024. With a passion for data analysis and problem-solving, I specialise in extracting insights, building data-driven solutions, and creating impactful visualisations. Proficient in Python, SQL, and Tableau, I am seeking entry-level Data Analyst or Data Engineer roles to contribute to innovative teams and grow in the field.

TECHNICAL SKILLS

- **Python**
- **SQLITE**
- **FLASK**
- **JAVASCRIPT**
- **MS AZURE**
- **R**
- **MONGODB**
- **API**
- **AWS**
- **DATABRICKS**
- **MYSQL**
- **MS SQL SERVER**
- **REACT.JS**
- **GIT**
- **MATLAB**
- **POSTGRESQL**
- **NODE.JS**
- **DOCKER**
- **TABLEAU**
- **C#**
- **EXPRESS.JS**
- **POWER BI**

PROJECTS

AutoML Web Application (Python, Streamlit, Pycaret)

- Developed an interactive web app allowing users to upload datasets, generate automated analyses, and train machine learning models.
- Integrated Pandas Profiling for statistical reports and Pycaret for model training.
- Designed a user-friendly interface for streamlined data uploads and model downloads.

Data Cleansing Project (MySQL)

- Implemented a 4-step data cleansing process: removing duplicates, standardising data, handling null values, and dropping unnecessary columns.
- Ensured clean, structured datasets for downstream analysis.

Stock Market Prediction (Python, Scikit-Learn, Matplotlib)

- Preprocessed stock data using Pandas for feature engineering.
- Applied Random Forest Regressor to predict stock prices, evaluating performance with RMSE and R2 scores.
- Visualised results to highlight model effectiveness.

London Bike Sharing Analysis(Python, Pandas) & Dashboard(Tableau)

- Preprocessed bike-sharing data, including handling missing values, renaming columns, and restructuring features for analysis.
- Conducted exploratory data analysis(EDA) using Pandas and visualised trends in bike usage.
- Created Tableau Dashboard to showcase key insights such as bike demand trends, weather impact, and seasonal patterns.

Flashcard App with AI Generator (ReactJS, Express, MySQL, OpenAI API)

- Developed an AI-powered app for generating study flashcards and quizzes from uploaded documents.
- Connected to MySQL for user and file data management.

Blockchain ETL Pipeline Using Bitquery API (Python, PostgreSQL, Bitquery API)

- Developed an ETL pipeline to extract, transform, and load Ethereum blockchain transactions into a PostgreSQL database.
- Implemented API data extraction using GraphQL and optimized transformation processes for structured storage.
- Designed a database schema to store transaction details such as sender, receiver, gas fees, and timestamps.
- Utilised Python (pandas, SQLAlchemy, psycopg2) for data transformation and loading.

WORK EXPERIENCE

Project Contractor(Samsung Bixby's Algorithm Model) | Adsound, Seoul   MAR 2021 - SEP 2021
- Recorded and processed voice data for algorithm training, ensuring high-quality datasets.
- Coordinated with international teams to facilitate the recording process and data cleaning.

Retail Assistant | Galleria, Toronto   DEC 2018 - FEB 2020
- Delivered excellent customer service, assisting in inventory management and daily operations.
- Supported a multicultural clientele, honing interpersonal and communication skills.

VOLUNTEER

Industry Officer | QUTBANDS, Brisbane   DEC 2023 - NOV 2024
- Collaborated with executive members to organise events with industry professionals for students.
- Managed communications and logistics to ensure successful event execution.

Secretary | QUT KSA, Brisbane   FEB 2024 - NOV 2024
- Organised and documented meeting agendas, minutes, and event run sheet.
- Coordinated logistics for student events, ensuring smooth execution and participation.

Marketing Manager | QUTBANDS, Brisbane   JUL 2023 - DEC 2023
- Created and promoted event content across social media platforms.
- Strategically increased event engagement and attendance through targeted campaigns.

EDUCATION

Bachelor of Data Science   FEB 2022 - NOV 2024
Queensland University of Technology
- Computational and Simulation Science & Data Mining and Artificial Intelligence Minor
- Society: QUTBANDS, CodeNetwork, KSA

AWARDS & ACHIEVEMENTS

- Best Community Project - 2024 Winter Hackathon (AI Flashcard App)
- Volunteer - QLD AI Summit 2024 (Queensland AI Hub)

REFEREES

- **Sehyeong Lee - Data Analyst, TMR | Email:** sehyeong.v.lee@tmr.qld.gov
- **Sam Park - Managing Director, One-on-One Education Consulting | Email:** sam.oec1@gmail.com