MICHAEL MABINUOLA

Seoul, South Korea | (+82) 10-3101-2261 | michaelmabinuola@gmail.com | LinkedIn | GitHub

SKILLS

LANGUAGES / TECHNOLOGIES	DATABASE MANAGEMENT	DATA ANALYTICS / VISUALIZATION	DATA SCIENCE
Python	Data Normalization	Data Modelling, A/B test, Redshift	Data Mining, RestAPI
R, JavaScript, HTML/CSS	Data Warehousing, ETL, Airflow	MySQL, NoSQL	Statistical Analysis
Git, docker, Bash, Ubuntu	Firebase, MongoDB, SQLServer	Google Analytics, pyspark	Scikit-Learn
Kafka, RabbitMQ, Celery	AWS - S3, EC2, DocumentDB	Tableau, Streamlit, Shiny, Plotly	TensorFlow

EXPERIENCE

Data Engineer / Data Analyst | 별따러가자 (Starpickers) | Seoul, South Korea | Sept 2021 - Present (2 years +)

[**Company Summary**]
A telematics company that leverages Inertial Measurement Unit (IMU) and GPS fusion to detect driving patterns of drivers.

[**Responsibilities**]

- **Configured and implemented full data engineering and analysis pipeline:**
  - Implemented asynchronous tasks with Celery to upload incoming sensor data to a data lake, ensuring timely and accurate data storage.
  - Performed data quality assessments to validate dataset accuracy and reliability, ensuring integrity in subsequent processing and analysis.
  - Integrate validated datasets into a centralized data warehouse, simplifying access for analytics and reporting.
  - Automated the whole process using Apache Airflow, resulting in a 20% increase in performance.
  - Configured Airflow alerts and monitoring tools to provide real-time notifications on workflow status

- **Statistical analysis, Data analysis and Machine learning model implementation:**
  - Analyze 1M+ rows of data from about 300+ users daily.
  - Developed an algorithm capable of accurately detecting complex driving maneuvers, including u-turns, rapid turns, overtaking, and lane changes.
  - Integrated the algorithm into the existing data processing pipeline, ensuring seamless operation and real-time behavior analysis.
  - Together with the team, utilized the algorithm's outputs and implemented a driving behavior scoring algorithm for usage-based insurance, significantly enhancing road safety.
  - Developed a supervised SVM machine learning model with Fourier and wavelet transform preprocessing, achieving a 92% accuracy rate in distinguishing between road and sidewalk classes.
  - Communicate real-time findings by utilizing Python's Streamlit, R-Shiny
  - Utilize Tableau for scorecards dashboard.

INTERNSHIP/PROJECTS

Market Research Analyst (Intern) | Seoul Global Center (SportVote) | July 2020 – Sept 2020

- Conducted market research to analyze target market, customer behavior, and industry trends, supporting business operations.
- Utilized BeautifulSoup for data extraction from URLs, ensuring cleanliness and consistency, and stored data in a data lake.
- Collaborated with the development team to design and implement new databases and tables, enhancing data management processes.
- Communicated analysis results and insights to internal stakeholders through concise presentations and written reports.

Junction Asia Busan Hackerton Project | August 2020

- Participated in developing a metaverse medical reception system for ZEP, utilizing machine learning to analyze

patient questionnaires and recommend doctors via an API.

EDUCATION

- Google Career Certificate in Advanced Data Analytics | Jan 2023 – July 2023
- Master's in Business Administration (MBA) – Chung-Ang University (4.16/4.5) | Sept 2019 - August 2021
- Honors bachelors of Science Economics – Don State Technical University (4.83/5.0) | Sept 2014 – July 2018

SPOKEN LANGUAGES | SOFT SKILLS

- English (Native), Russian (Proficient), Korean (Intermediate)
- Strong analytical and data interpretation skills. Growth mindset and Problem solving.

CERTIFICATES/AWARDS

- Junction Asia Certificate – 2022
- Data Analytics Certificate- 2020
- Government of Korea Scholar (GKS)- 2018
- Nigeria/Russia Bilateral Educational Scholarship- 2013