MAZAYA YUMNA

Jakarta, Indonesia | mazayayumnawijaya@gmail.com | mazayayumna | mazayayumna

PROFESSIONAL PROFILE

Versatile Data Analyst/Product Engineer with 3 years of diverse experience transforming data into actionable insights. I am adept in various programming languages/software tools and have contributed to creating and handling 4 products' pipelines that are now in the market. Now seeking to transition into the dynamic field of data engineering and analytics, where my strong analytical skills and project management experience can contribute to innovative solutions.

SKILLS

Programming Language: Proficient in Python (Pandas, NumPy, Matplotlib, Pytest), Bash (awk, sed), Nextflow and familiar with R, C, C#, Pascal, and Scala
Data Engineering and Analytics: Linux, Git, Docker, AWS (S3, Batch), GCP (VM, GCS, BigQuery), dbt, Spark (Pyspark), Airflow, Terraform, and Google Looker Studio
Data Science: Sklearn, Keras, TensorFlow, Classification (K-NN, SVM, Random Forest), Clustering, Neural Network
Database: SQL, NoSQL (MongoDB), PostgreSQL
Non-technical Skills: Jira, Project Management, Agile, Collaboration

WORK EXPERIENCES

September 2021-Present
Nalagenetics, *Bioinformatics Analyst*

- Develop NutriReady™ and MammoReady™ pipelines with Python, Bash, and Nextflow to process data from microarrays and Next Generation Sequencing (NGS) technologies according to ISO13485 standards.
- Ensure the pipelines were robust and scalable, supporting over 1000 users effectively.
- Refactor legacy code into proper pipelines and implemented batch processing using AWS Batch, increasing data processing efficiency by more than 100%.
- Perform validation and benchmarking of pipelines to check for consistency between different genotyping chip, versions, and genome builds.
- Perform Unit Testing for each script and all the way DEV-UAT testing.
- Provide technical and bioinformatics support to customers in academia and industry, including performing analyses and answering queries regarding results.

February 2021-July 2021
Google Bangkit 2021, *Machine Learning Cohort*

- Learned introduction to IT and Machine Learning programming from scratch with several courses offered by Google Indonesia and Coursera.
- Developed a Natural Language Processing (NLP) pipeline with Convolutional Neural Network to detect a product category from text as a capstone project with a team from all over Indonesia as a final project in the Bangkit 2021 program.

EDUCATION

September 2017-September 2021
Institut Teknologi Sepuluh Nopember (ITS), *B.Eng. in Biomedical Engineering*
Research on sensors and microcontrollers programming with Artificial Neural Network to detect human stress.

PROFESSIONAL TRAINING AND CERTIFICATIONS

Functional Programming Principles in Scala - École Polytechnique Fédérale de Lausanne (Coursera)	2024
Introduction to MongoDB - MongoDB Inc. (Coursera)	2024
Belajar Dasar-Dasar DevOps – Dicoding	2023
TensorFlow Developer – TensorFlow	*2021*
Google IT Automation with Python - Google (Coursera)	*2021*
Mathematics for Machine Learning - Imperial College London (Coursera)	*2021*
Google IT Support - Google (Coursera)	*2021*

LANGUAGES

Bahasa Indonesia (Native), **English** (Fluent), **Mandarin** (HSK 3)