



# Melaku Mekonnen

Data Engineer

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 Addis Ababa, Ethiopia

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 Portfolio |  Github |  LinkedIn

## ABOUT ME

Melaku is an innovative junior data engineer with extensive data engineering project experience. He is well acquainted with Python, Pandas, Java, SQL, Dashboards, Machine-learning data visualization, and data analysis frameworks. He combined data engineering skills with working in a remote environment and has a team-oriented attitude.

## SKILLS

- Python, SQL, Bash Scripting
- ETL/ELT, Kafka, Airflow
- Git, DVC, MLflow, Docker
- Data Visualization
- CML, CI/CD, Travis CI
- Power BI, Tableau
- HTML/CSS, Streamlit

## Soft Skill

- Team-oriented
- Adaptability
- Communication
- Collaboration

## EDUCATION BACKGROUND

### Data Engineering & Machine Learning

10 Academy  
May 2022 - current

### Bachelor of Science in Electrical & Computer Engineering

Addis Ababa University  
October 2015 - October 2021

#### Relevant courses

OOP, Java, C++, Computer Architecture, MATLAB, Applied Mathematics I-III, Economics, Probability and statistic

## PROJECT EXPERIENCE

### Lidar data extraction from cloud API using a Python module

- Wrote a python code to query and fetch.
- Designed modular python package to connect to the API, and query the data.
- Query the data model to select a specified input and get the desired output.
- Graphically displayed the returned elevation files as either a 3D render plot or as a heatmap.

### Data collection with Kafka, Airflow, and Spark

- Designed a reliable, large-scale, fault-tolerant, highly available Kafka cluster that is used to publish a sentence and receive an audio file.
- Arranged for the events to be stored in a database using Airflow.
- Data from and into an S3 bucket was transformed using PySpark.

### Pharmaceutical Sales Prediction

- Analyzed the effect of new store openings and promotions on consumer behavior.
- Using Sklearn pipeline, predicted daily sales in various stores up to 6 weeks ahead of time.
- Build Streamlit dashboard to communicate results with employees

## CERTIFICATES

### ICT Associate in Routing & Switching

Huawei ICT Academy  
November 2021

### Data Engineering Track

DataCamp  
May 2022 - Present

## LANGUAGE

- English - Fluent
- Amharic - Native
- Spanish - Beginner