

Amanuel Zewdu

Data Engineer

Junior data engineer who builds scalable data pipelines using tools like Airflow, Kafka, and dbt to perform data warehousing and transformation. He has data modeling dexterity with advanced python libraries together with SQL databases. Moreover, he is experienced in areas of visualizations for reporting and is comfortable with working in teams.

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WORK EXPERIENCE

IT, ERP software and network professional Hast Enterprise and Ethiopian commodities PLC

05/2020 - 07/2022

Achievements/Tasks

- Generated both visual and verbal reports from ERP data for immediate managers to help with their decisions
- Implemented an ERP system which the firms used as the main mechanism to maintain their resource plans
- Built interactive websites that helped both firms to increase their reach and develop their customer relations
- Modified both the backend and UI of the ERP system implemented
- Maintained network and security facilities and tools in order to assure the smooth operation of the ERP software

Intern team member

TechIn, MINT • Addis Ababa, Ethiopia

02/2019 - 07/2019

Achievements/Tasks

- Designed an interactive web application to aid in digitizing the submission of new work ideas to organizations.

EDUCATION

Electrical and computer engineering Bachelors Degree

Addis Ababa Institute of technology, AAiT •
Addis Ababa , Ethiopia

09/2016 - 01/2021

Courses

- | | |
|--------------------|---------------------|
| • Data structures | • Algorithms |
| • Microinterfacing | • Operating systems |
| • Advanced math | • Compilers |

Data and Machine learning engineering 10Academy

08/2022 - 11/2022

Addis Ababa, Ethiopia

Courses

- | | |
|------------------------------------|-------------------------------|
| • Data pipeline building | • Machine Learning deployment |
| • Visualization and web deployment | • Casual Inference |
| • Blog writing and Reporting | • MLops and CI/CD |

SKILLS

Computer programming skills, Java, C++, Python, PHP, JavaScript, SQL

Data warehousing, ETL, Apache airflow and DBT

AWS

Data analysis and modelling

Mlops, CI/CD and Docker

Data visualization

Communication and reporting

PERSONAL PROJECTS

Data warehouse using Apache airflow and DBT

- Built a scalable data warehouse for traffic data that fed into a database on a daily basis and transformed the data using DBT.
- Used Redash tool to present data visualizations

Pharmaceutical sales prediction using ML

- Studied pharmaceutical data trends and preparation of a model that predicted sales projection
- Deployed the trained model on a dashboard

Speech data collection tool

- Used python language together with javascript to install a pipeline
- Recorded user speech inputs and provides the collected data to downstream users in a scalable manner through the js frontend

Mobile controlled pick and place robot arm

- Built a robot arm in this final year university project .

VOLUNTEER EXPERIENCE

* Volunteer Math Tutor/ Teacher for highschool students
(06/2016 - 09/2019)

* Helped with raising money to feed the students before entering the tutorial classes

LANGUAGES

Amharic

Native or Bilingual Proficiency

English

Full Professional Proficiency

INTERESTS

Reading books .

Watching and playing football

Family time

Pets

Volunteering and private tutoring activities