

ZINABU MELESE

DATA SCIENTIST | take.z70@gmail.com | +31686241137 | [LinkedIn](#) | Eindhoven, the Netherlands

draft portfolio: [here](#)

SUMMARY

As a data scientist with 4+ years of experience, I have a diverse range of skills that enable me to develop data-intensive applications and solve complex architecture and scalability problems across various industries. I am proficient in Python, Power BI, SQL, and R and have a demonstrated ability to effectively communicate technical concepts to non-technical stakeholders. Overall, I am a driven data scientist with business acumen and a passion for using data to create value and drive innovation in organizations.

PROFESSIONALEXPERIENCE

Machine Learning Engineer

in3, Eindhoven

05/2022 to CURRENT

- Created and implemented a machine learning model that accurately detected defaulting consumers, achieving a significant reduction of non-performing loans.
- Championed the creation and deployment of an NLP-driven machine learning model in product classification.
- Prototyped and deployed ETL pipelines to extract and load data into a centralized database, reducing manual effort by 90%.
- Aligned and led cross-functional teams to identify lucrative business opportunities and deliver data-driven solutions.

Data Scientist

Hendrix Genetics, Boxmeer

01/2021 to 01/2022

- Spearheaded a data-driven approach to animal health monitoring by leveraging state-of-the-art algorithms on a powerful Linux cluster.
- Engineered a Python-based cutting-edge algorithms to detect deviations on integrated sensor data for R&D unit.
- Designed algorithms to track and detect anomalies in animal feeding behavior.

Data Scientist

Jheronimus Academy of Data Science (JADS), Eindhoven

01/2020 to 01/2022

- Streamlined communication of insights to stakeholders by developing a visually compelling dashboard and report using Power BI.
- Build predictive models using various algorithms to predict the possibility of task delay for different companies.
- Implemented a K-Nearest Neighbor (KNN) based machine learning algorithm to predict stock market investments, attaining impressive f1-scores of 90% and 91%.

Data Analyst | Statistician

University of Gondar (UoG), Gondar

01/2015 to 12/2019

- Conducted statistical analysis to identify factors associated with survival among HIV patients and, to estimate and predict the transmission of multidrug-resistant infections.
- Devised and executed a semi-parametric frailty model to scrutinize survival trends among preterm infants in NICU.
- Engineered a passenger prediction model in the airline industry utilizing LSTM network technology.

HIGHLIGHTS

Data Visualization, Machine Learning, Deep Learning, NLP, Statistical Modeling and Forecasting, Patter Recognition, Agile environment, Database Structures and Algorithms

PROGRAMMING AND SCRIPTING LANGUAGE

Python, R, SQL, HTML/CSS

OPERATING SYSTEMS

Windows, Linux

DEVELOPMENT TOOLS

GitHub, Microsoft Azure, Jupyter Notebook, MS office, Power BI, Visual Studio, PyCharm, Docker, Streamlit

FRAMEWORKS

Pandas, Scikit-learn, TensorFlow, Keras, PyTorch

EDUCATION

Engineering Doctorate in Data Science (EngD)

Eindhoven University of Technology (TU/e), the Netherlands, Jan 2020 – Jan 2022.

Doctor of Philosophy (Ph.D.) in Statistics,

Pan African University Institute for Basic Sciences, Technology and Innovation, Kenya, 2016 – 2019.

CERTIFICATES

- Perform data science with Azure Databricks.
- Build and Operate Machine Learning Solutions with Azure.
- Neural Networks and Deep Learning.