

NAOMI THIRU

Data Scientist | Data Analyst

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<https://github.com/naomithiru>

Junior data scientist with 3+ years of programming experience, capable of creating, developing and deploying data-driven applications in response to a business case. I have a prior 5+ years work experience in the construction sector, and have a passion for energy efficiency systems in the built environment.

EXPERIENCE

April 2021

Junior Data Scientist, NIRLI INNOVATION LAB, Liege Belgium

- Spearheaded building a real-estate location suitability web application, using machine learning algorithms and GIS, to guide developers on the most optimal property type and locations to invest in, in the Wallonia region of Belgium.
- Ensured high quality data collection by designing a data pipeline, to gather both structured and unstructured data and store in a database.

Python Pandas Scikit-learn Postgres Postgis Flask Mapbox

September 2021
- March 2020

Data Science Intern, BECODE, Brussels Belgium

- Intensive Artificial Intelligence and Data Science training to acquire skills to explore, clean and transform data into actionable insights and implement statistical machine learning models from start to finish in a production environment.
- Demonstrated knowledge and execution of application programming interface development, containerization and deployment of web applications.

Projects:

- Led a team in conceptualizing and building an interactive dashboard app using Plotly and Dash to communicate outputs extracted from news articles using natural language processing (NLP) models for HumAI, Belgium.
- Employed Microsoft PowerBI to investigate client online sales and delivery data for actionable insights, for Accenture, Belgium.
- Collaborated on developing an application using optical character recognition(OCR) and natural language processing algorithms to extract information from scanned documents, for KPMG Advisory.

Pandas Scikit-learn Keras Streamlit Tensorflow Server Flask

October 2019
- September 2020

Python Developer, KAZI LABS, Nairobi Kenya

- Used python to develop web-based retrieval systems, collect data from different sources, perform joins and load the data to a database.
- Wrote python scripts for automation of various tasks.
- Used RESTful web services such as Google API.

Python CSV JSON Selenium

April 2011
- August 2016

Urban Architect, AAKI CONSULTANTS, ARCHITECTS & URBAN DESIGNERS, Nairobi Kenya

- Managed various projects from concept development to construction supervision.
- Gained knowledge in energy performance in buildings, and energy efficiency in the built environment.

ArchiCAD AutoCAD Excel Adobe suite

SKILLS

Programming Languages	Python, SQL, HTML, CSS
Frameworks	Pandas, NumPy, Scikit-learn, Matplotlib, Seaborn, Keras, Tensorflow
Databases	Postgres, SQLite
Development tools	Visual Studio Code, Jupyter Notebooks, Git
Deployment	Flask, Streamlit, Dash, Docker, Heroku
Operating System	Windows, Linux
GIS	ArcGIS, QGIS
Soft skills	English language (Native speaker), Writing proposals, Team-player, Adaptable

EDUCATION

2017 - 2018	Master of Science, Urbanism and Strategic Planning Faculty of Engineering Science K.U Leuven, Belgium
2016 - 2017	Master of Science, Human Settlements Faculty of Engineering Science K.U Leuven, Belgium
2004 - 2009	Bachelor of Science, Landscape Architecture School of Architecture Jomo Kenyatta University of Technology, Nairobi, Kenya