Almustafa Abdulgadir Muhammadhassan Noureddin

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Skills

Programming	Python (pandas, numpy, matplotlib, BeautifulSoup, Selenium), SQL (mysql, postgresql), C language, R language .
Data Engineering	Data Modeling, Data Warehousing, ETL & ELT and data build tool (dbt).
Data Analysis	Excel, Tableau, Metabase.
Web Development	Django, HTML, CSS and Javascript.
Tools	Linux(bash scripting), Git, Docker, Airflow.

Projects

Graduation project	"Chatbot for answering COVID-19 FAQs in modern standard arabic" Graded: A
	•Applied different data science skills like: data collection, data preprocessing, feature extraction
	•applied nine different **NLP** models to compare their performance,
	•Source-code:https://github.com/almustafa-noureddin/Graduation-project-Arabic-chatbot
Data engineering	Building a data pipeline to recreate sponsorblock's dashboard
	•The data is scraped and ingested to postgres.
	•dbt is used to perform transformations then used Metabase to create the dashboard.
	•The whole pipeline runs on docker and all the steps are orchestrated using airflow.
	•Source code: https://github.com/almustafa-noureddin/sponsorblock-data-pipeline-de-zoomcamp-final-project
Django application	Database design and application for **Khartoum International Institute for Arabic Language (KIIAL)**'s research papers
	•Performed data modeling on a list of KIIAL's papers from 1976 to 2020 totaling 2500 papers, rearranging it into production ready database using **MS Excel**, **postgresql** and **python(pandas)** for data cleaning
	•Developed django application that allows CRUD operations with authentication
	•Live version: https://kiial-papers.up.railway.app/
	•Source code: https://github.com/almustafa-noureddin/Database-design-kiial.org-papers
Data Analysis	Developing SQL queries to analyse dataset from ecommerce site OLIST *https://www.kaggle.com/olistbr/brazilian-ecommerce*
	•Source code: https://github.com/almustafa-noureddin/Kaggle—E-Commerce-Dataset-by-Olist

Education

2014 - 2021	**Bachelor of Engineering (Honours)** in **Electronics Engineering (Computer and Networks)** from Sudan University Of Science and Technology

Certification

Data Engineering Zoomcamp from DataTalksClub
Currently enrolled in Google Data Analytics Certificate (4/8)