Alaa Aldeen Kaadan

Gitlab| LinkedIn | +963 964 928 795 | ak@khteeb.ai

ABOUT ME

Data Analyst at Labby and Information Technology Engineering graduate from Damascus University, specializing in Artificial Intelligence and consistently ranked among the top students in my cohort throughout all years of study. Experienced in large-scale data analysis, real-time dashboards, data validation, and geospatial analysis using Python, SQL, Lightdash, and ClickHouse. Eager to learn and expand my technical expertise, with strong problem-solving skills developed through competitive programming and coaching, alongside nearly five years of volunteering in coordination and leadership roles.

Work Experience

Labby **9/2026 - Present**

Data Analyst

Analyze ride-hailing data, build real-time dashboards using Lightdash and ClickHouse, and perform data validation and diagnostic analysis to identify data quality issues and investigate operational performance.

TruePositive **11/2024 - 8/2026**

Data Analyst

At TruePositive, I primarily focused on data analysis, while also contributing to backend and AI/ML tasks. Through this experience, I gained proficiency in working with and managing large datasets.

PROJECTS

Khateeb **10/2024 - 8/2025**

Back-end and AI Engineer

As a Back-end and AI Engineer on this team, I contributed directly to all key aspects of the project, from data engineering and algorithm development to backend architecture. We collectively engineered an AI application to train users in precise, diacritized Arabic pronunciation, focusing on solving the core challenges of automated text diacritization and accurate audio transcription. To achieve our goals, we built a high-quality, custom dataset to train a state-of-the-art model, adapted two novel variations of the Needleman-Wunsch algorithm, and deployed a resource-efficient backend to ensure high performance under limited hardware. Link.

Washington Daily Bike Rides **6/2025 - 7/2025**

Data Analyst

In this project, I performed comprehensive data analysis on a dataset of approximately 6.5 million bike ride records, augmented with metadata on bike stations and daily weather conditions. The primary objective was to thoroughly describe the data and analyze the impact of various factors (e.g., time, location, proximity to bus stations, bike type) on daily revenue. This experience significantly enhanced my proficiency in Python visualization libraries and working with geospatial data using tools like Geopandas.

Deepfake audio detection **7/2024 - 8/2024**

back-end

A mobile application aims to create peer-to-peer mobile calls secured against deepfake audio. This project was built as two main parts. An AI model deployed as a deepfake detection API, and Django app responsible for handling user data and history. In this project, I learned more about Django Rest Framework (DFR), Authentication using Knox, developed a voice-based authentication method utilizing the AI model and Google's voice recognition API, Implemented Swagger UI for the AI model, and learned how to deploy an AI model. I was the back-end

Fifty Nine Plus One **10/2023 – 12/2023**

full-stack developer

My first real-life project, which is currently running in production, taught me numerous new concepts. While working on this project, I gained valuable insights into web scraping techniques, PDF file analysis, extracting data from PDF tables using pandas and tabula, JavaScript fundamentals, creating Telegram bots, deployment processes, customizing and building admin interfaces in Django, handling and cleaning user input, and extracting relevant information from user inputs. You can try it here or try the telegram bot here.

EDUCATION AND CERTIFICATES

- **Information Technology Engineering ITE**
- **CS50W**
- **5-place DCPC 2023**
- **27-place SCPC 2023**
- **CS50X**
- **Al Basil Certificate**

SKILLS & INTERESTS

Technical Skills:

- **Programming Languages:** Python, SQL (2 years experience), Bash Scripts, JavaScript (basics knowledge), HTML (basics knowledge), CSS (basics knowledge)
- **Libraries/Frameworks:** Pandas, Django (2 years experience), Django Rest Framework (DRF), Knox, Tabula, Plotly
- **Databases:** ClickHouse, DuckDB, PostgreSQL, MySQL, SQLite
- **Machine Learning/AI:** Machine Learning, Neural Networks, Feature Engineering, Deepfake detection API, AI model deployment
- **Data Analysis:** Exploratory analysis, data cleaning and validation, diagnostic analysis, geospatial analysis, feature engineering
- **Deployment & Infrastructure:** Server setup, Bash scripting, Docker

Soft Skills:

- General Problem-solving
- Algorithm design and implementation
- Team Working
- Time management
- Communication
- Leadership
- Public speaking

Interests: Python | Data Science | AI

VOLUNTEERING

Red Blood Cells (RBCs) Team **10/2020 - 8/2025**

- Developed strong teamwork, communication, time management, leadership, public speaking, and various other skills through active participation in team activities and projects.
- Progressed through roles of increasing responsibility:
  - First semester: Team member responsible for writing lectures
  - Second semester: IT specialist for first-year team, managing and saving team files, archiving annual team records
  - Second and third years: Coordinator & Board Member, overseeing subject teams
  - Fourth year: Team leader, supervising team members and reviewing work of subject teams
  - Current role: Team leader for another team
- Led IT unit for faculty, responsible for managing and maintaining departmental technology infrastructure.

ACM Coach **1/2023 - 8/2024**

- Led a team of students in developing problem-solving skills through competitive programming activities.
- Taught new students essential programming concepts, including algorithm design, solution optimization, and effective problem-solving strategies.
- Created and delivered lectures on various topics such as graph theory, greedy algorithms, and other advanced data structures and algorithms.
- Mentored students in improving their coding abilities and preparing for programming competitions.