



SADIK ADEN DIRIR

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EDUCATION AND TRAINING

Master of Science in Computer Science with Data Science
University of Wolverhampton

United Kingdom
03/2025 – Current

Master in International Development (Economic Development Policy and Management)
Nagoya University

Nagoya, Japan
04/2025 – Current

Master in Business Administration
Çankırı Karatekin University

Çankırı, Türkiye
09/2020 – 08/2022

Bachelor in Business Administration (BBA)
University of Djibouti

Djibouti city, Djibouti
07/2017 – 08/2020

High School Degree in Economics and Sociology
Hodan 4 High School

Djibouti city, Djibouti
09/2014 – 06/2017

WORK EXPERIENCE

Economic Affair Internship (5 months)

United Nation (Economic and Social Commission for Asia and the Pacific)

Bangkok, Thailand
12/2024 – 04/2025

- Contributed to the Survey 2025 Book
- Researched Decarbonization Strategies
- Worked on Data analysis with Python and R

Financial and Data Analyst (7 months)

Law Firm Tegegne

Djibouti city, Djibouti
09/2021 – 03/2022

- Performing Quarterly Financial Check-Ups
- Data Analysis with Python and Rstudio

Logistic Management Internship (2 months)

Ikram International Transit

Djibouti city, Djibouti
08/2022 – 09/2022

- Monitoring Logistics Operations
- Managing Relations with Suppliers
- Inventory Management

Accountant Internship (3 months)

Project Miles Transportation Limited SARL

Djibouti city, Djibouti
05/2022 – 07/2022

- Financial Audits
- Reconciling Bank Statements
- Ensuring Financial Records are Accurate Throughout the Months

HONOURS AND AWARDS

Japanese Government Scholarship (MEXT)

The Ministry of Education, Culture, Sports, Science, and Technology

04/2024

Djiboutian Government Scholarship for Graduate Studies

Minister of Higher Education and Scientific Research

09/2020

Public Management Certificate
YALI Regional Leadership Center East Africa Program

08/2022

The Korean Economic Development Certificate
Yonsei University, Coursera

11/2022

Crimes and Cybersecurity Certificate
Government of India, Ministry of Home Affairs

02/2022

LANGUAGE SKILLS

- **Mother Tongue:** Somali
- **English:** Proficient User (C1-C2)
- **French:** Proficient User (C1-C2)
- **Arabic:** Proficient User (C1-C2)
- **Turkish:** Basic-Independent User (B1)
- **Japanese:** Basic-Independent User (N3)

TECHNICAL SKILLS

- * **Programming:** Python (Pandas, NumPy), R, SQL
- * **Statistical Software:** Stata, R, SPSS, GeoDa, QGIS, EViews, Matplotlib
- * **GIS Software:** ArcGIS, QGIS, EPANET, Google Earth Pro
- * **Frontend Development:** React, Next.js, Tailwind CSS, framer-motion, Three.js, Vue.js, HTML, JavaScript
- * **Backend Development:** Node.js, Express.js, Django, Flask, APIs, GraphQL
- * **Version Control:** Git, GitHub, GitLab
- * **Data Visualization:** Tableau, Power BI, Matplotlib, Seaborn
- * **Cloud Platforms:** AWS (EC2, S3), Heroku, Vercel, CI/CD
- * **Other Tools:** Jupyter Notebooks, Google Colab, Postman, Docker
- * **Office Suite:** Microsoft Word, Excel, PowerPoint, Access
- * **Design Tools:** UI/UX, Figma

PROJECTS

Data Visualization Portfolio

- A showcase of over 70 advanced and interactive data visualizations in Python using a synthetic e-commerce dataset.
- Leverages Plotly, Seaborn, and ipywidgets to demonstrate a full data-to-insight workflow.

Project Nebula - Dynamic Gaming Dashboard

- A futuristic, responsive gaming dashboard built with Vite, TypeScript, and Tailwind CSS.
- Features a live 3D particle background, real-time table filtering, and smooth animations.

Nihongo Flash - Japanese Flashcard App

- A modern Japanese vocabulary app using a simplified Spaced Repetition System (SRS) to optimize learning.
- Built with pure HTML, CSS, and JavaScript with progress saved to local storage.

Cyberpunk Project Hub - Dashboard UI

- A sleek, futuristic project management dashboard with a draggable Kanban board and interactive SVG progress rings.
- Built with vanilla HTML, CSS, and JS to showcase modern UI/UX without frameworks.

Interactive 3D Neural Network Visualization

- A real-time 3D visualization of neural networks using Three.js, featuring procedural formations and interactive energy pulse animations.

Spotify Playlist Automator

- A Python command-line tool that uses the Spotify Web API to automatically generate playlists by year, artist, or genre.

API Authentication with HMAC Signature

- A client and Flask server demonstrating how to secure an API endpoint using a Hash-based Message Authentication Code (HMAC).

Interactive Web Carousel

- A responsive card carousel layered on a dynamic, high-performance Three.js animated background.

Structural Transformation in Djibouti – Geospatial Analysis

- An assessment of Djibouti's structural transformation using World Bank data, applying three analytical models with Python libraries like geopandas and rasterio.

PUBLICATIONS

Refugee nexus eco-capacity: examining refugee-environment dynamics and sustainable integration pathways in Djibouti

- Published in: Sustainability Nexus Forum (2025)
- Co-authors: K. Aden

Integrating sustainable finance into energy policies: A comprehensive study on the influence of green investments on energy performance in OECD nations

- Published in: International Journal of Finance & Economics (2024)
- Co-authors: B. Tekin, K. Aden

Evidence-based exploration of macroeconomic dynamics in ensuring the sustainability of external debt: A case study of Djibouti

- Published in: TTransnational Corporations Review (TNCR) (2024)
- Co-authors: K. Aden

Credit Cultivation: A deep dive into the harmonies and dissonances of Macroeconomics impact on agricultural financing practices in Djibouti

- Published in: Journal of the Saudi Society of Agricultural Sciences (2024)
- Co-authors: K. Aden

Examination of the factors contributing to environmental degradation: does LPG consumption still matter?

- Published in: Environmental Science and Pollution Research (2024)
- Co-authors: B. Tekin

REFERENCES

Mr. Gaurav Joshi

India

Senior Materials Manager at India Railways

Prof. Abdikarim Yussuf

Somalia

Lecturer in Accounting at Simad University

Prof. Bilgehan Tekin

Türkiye

Associate Professor in Business and Behavioral Finance

Prof. Christian Samen Otchia

Japan

Associate Professor in Industrial Development

Mr. Michal Podolski

Thailand

Associate Economic Affairs Officer, UNESCAP