

MOHAMMED AYMAN HASSAN

Data Analyst

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PROFESSIONAL SUMMARY

Highly analytical professional with hands-on experience building data pipelines, interactive dashboards, and predictive models. Proven track record across intensive tech programs (ITI, NTI, Skill Era) leveraging Python, Power BI, Tableau, and Excel to solve real-world problems. Passionate about applying data analytics, AI, and digital innovation to drive data-driven decision-making and sustainable development at the UNDP Digital, AI, and Innovation Hub.

TECHNICAL SKILLS

- **Data Visualization & BI:** Power BI, Tableau, Advanced Excel (Pivot Tables, Power Query, VBA)
- **Programming & AI Foundations:** Python (Pandas, NumPy, Matplotlib, Seaborn, Scikit-Learn), SQL, Data Preprocessing, Machine Learning Foundations, Predictive Analytics
- **Soft Skills:** Data Storytelling, Agile Methodology, Cross-cultural Communication, Problem-Solving, Teamwork

PROJECTS (2026)

Sustainable Development Goals (SDGs) Progress Tracker (Jan 2026 – Apr 2026)

- *Tools Used:* Power BI, Advanced Excel, Python (Pandas)
- Cleaned and preprocessed unstructured regional socio-economic datasets using Python.
- Designed intuitive Power BI dashboards visualizing progress metrics across multiple development indicators.
- Formulated data-driven recommendations that identified underperforming sectors to assist resource allocation strategy.

Smart City Traffic & Automation Insights Model (May 2026 – Aug 2026)

- *Tools Used:* Python (Scikit-Learn, Pandas), Tableau
- Engineered a predictive model in Python to forecast peak congestion times with 88% accuracy.
- Created dynamic Tableau visualizations mapping bottleneck areas for urban planning insights using control engineering foundations.

EDUCATION

B.Sc. in Computer & Control Engineering (Senior Student) | 2022 – 2027

Faculty of Engineering

INTENSIVE TRAINING & CREDENTIALS

- **Data Analytics & Insights Track** – Information Technology Institute (ITI)
- **Advanced Data Engineering & Analytics Program** – National Telecommunication Institute (NTI)
- **Practical Data Science Frameworks Certification** – Skill Era

VOLUNTARY WORK

- **Data Analytics & Statistics Specialist** – IEEE (2026)
- **Development Operations Volunteer** – Enactus (2025)

LANGUAGES

- **Arabic:** Native proficiency | **English:** Professional working proficiency (Very Good)