AHMED ABDALKHALIQ

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PROFESSIONAL SUMMARY

Petroleum Engineering student with hands-on experience in **data analytics, digital tools**, and **Artificial Intelligence**. Skilled at conducting research and **drafting analytical content in support of disaster risk reduction (DRR)**, policy innovation, **digital transformation**, and systems change. **Experienced in risk intelligence and data governance-adjacent research, dashboard and knowledge-product development, and monitoring**, evaluation, and reporting **(M&E)** processes. Comfortable working across capacity-building, **data analytics**, and strategic communications workstreams in fast-paced, **cross-functional** environments.

PROFESSIONAL EXPERIENCE

Aspire Institute Apr 2026 - Present
Technology & AI Domain Leader *Remote*

- Domain Management: Led the Technology and AI domain, **organized virtual sessions (avg. 20 attendees** per session) and **coordinated** with mentors for the Aspire alumni community
- Engagement & Outreach: **Moderated live sessions, managed Discord promotions**, and connected eligible students to the Aspire Leaders Program

Sprints Nov 2025 - Present
Brand Ambassador *Remote*

- Successfully drove the **enrollment of 15 students** into the Sprints Virtual Internship Program through targeted promotion using my unique referral link and code
- **Promoted** Sprints programs and events, **guided** learners toward suitable technology tracks, and shared resources that supported career growth in IT/software development

SKILLS

- **Data & AI: Python**, SQL, Pandas, NumPy, Matplotlib, Seaborn — data cleaning, data analytics, predictive/exploratory
- **Digital & AI-enabled Applications**: conversational **AI** tools (**Claude**, **ChatGPT**, **Copilot**, **Gemini**); familiarity with AI applications for research and knowledge work
- **Data Visualization & Dashboards**: Tableau, Power BI — supporting **risk intelligence** and evidence-based reporting
- **Knowledge Management & Communications**: policy briefs, concept notes, knowledge products, case studies, presentations
- **Research & Analytical Writing:** literature review, trend analysis, **documentation** of good practices and lessons learned
- **Monitoring & Evaluation (M&E): tracking**, reporting, and capacity-building material development
- **Collaboration Tools**: MS **Teams**, **Zoom**, **Google Forms**, **Canva**, **Gamma**, **Git**
- **Certifications & Training**: Google Data Analytics Professional Certificate, Aspire Leaders Program, **AWS** AI Practitioner Challenge , **McKinsey** Forward Program, **Python** Crash Course: Dive into Coding with Hands-On Projects
- Languages: **Arabic** (Fluent), **English** (Professional Working Proficiency)

VOLUNTEER EXPERIENCE

UNDP Jul 2025 - Oct 2025
Agenda 2063 in Power Spaces Trainee *Remote*

- **Developed** structured development **frameworks**, including a **Partnership Matrix**, to align regional **policy** objectives with continental Agenda 2063 Moonshot goals
- Collaborated within an **international team** to review policy frameworks and deliver actionable recommendations aligned with UNDP standards

EDUCATION

University of Basrah Nov 2023 - Present
Bachelor, Petroleum Engineering *Basrah, Iraq*
Relevant Coursework: Engineering Statistics, Engineering Analysis & Numerical Methods, Computer Science (I & II)

PROJECTS

NYC Taxi Exploratory Data Analysis (EDA) | Python, Pandas, NumPy Aug 2025

- Performed comprehensive **EDA** on a dataset of **22,000+ trip** records to uncover urban mobility and financial trends
- Utilized advanced **Pandas filtering**, aggregation, and grouping (groupby) to clean data and analyze key metrics
- Investigated transaction data and highlighted recording biases, identifying distinct tipping behaviors between credit cards (avg. $2.73) and cash

Fluid Flow Simulation (LBM) | Python, NumPy, Matplotlib Dec 2024

- Developed a high-performance CFD **simulation** modeling **fluid flow** and velocity fields around a cylindrical obstacle
- Optimized complex 2D matrix operations and grid-based streaming/collision steps using advanced NumPy vectorization
- Built dynamic, real-time data visualizations to track and analyze fluid behavior and velocity magnitudes