

Ahmed Shacker Helmi

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Alexandria, Egypt

Education

Bachelor of Computers and Data Science, Specialization in Cybersecurity

Alexandria University, Alexandria, Egypt

Expected Graduation: Jul 2027

- CGPA: 3.5879 / 4.00
- Relevant Coursework: Data Structures, Algorithms, Data Analysis, Machine Learning, Networking, System Security

Experience

Digital Egypt Pioneers Initiative (DEPI)

Remote, Sep 2024 – Present

- Data Analyst Specialist Trainee analyzing large datasets using Python, SQL, and Tableau.
- Conducted data cleaning, visualization, and exploratory analysis to extract actionable insights.
- Collaborated with cross-functional teams to build data models that informed strategic decision-making.

Information Technology Institute (ITI)

Remote, Sep 2024 – Oct 2024

- Developed front-end components and learned foundational web technologies (HTML, CSS) while supporting data visualization projects.

CIB Egypt

Remote, Sep 2024

- Enhanced data literacy and digital transformation skills through structured projects and initiatives.
- Participated in activities focused on business data analysis and technology adaptation.

Projects

Comprehensive Retail Analytics

Dec 2024

- Performed an in-depth exploratory data analysis (EDA) on retail sales data.
- Uncovered key insights on product performance and regional sales.

- Evaluated the impact of discounts and shipping modes on profitability using Python and Tableau.

Customer Data Analysis (R)

Alexandria University Project

- Built a Shiny application for analyzing customer behavior and segmentation.
- Processed CSV file uploads, performed data cleaning, and created visualizations (pie, bar, scatter, and box plots).
- Employed K-means clustering and association rule mining to identify customer segments.

Technical Skills

- **Programming Languages:** Python, SQL, R, Java, C, C++, Assembly
- **Data Tools:** Tableau, Jupyter Notebook, Anaconda, Shiny
- **Data Analysis:** Data Cleaning, Data Visualization, Exploratory Data Analysis (EDA), Machine Learning
- **Other:** Git, Linux, HTML, CSS

Certifications

- **Certified in Pre Security by TryHackMe**
Credential ID: THM-RBYGX8KK2C, Issued Jan 2025
- **Certified in Python (Basic) by HackerRank**
Credential ID: 699e0c8edce4, Issued Jan 2025
- **Certified in SQL (Basic) by HackerRank**
Credential ID: f1932d139c53, Issued Jan 2025
- **Connect and Protect: Networks and Network Security | Coursera (Google)**
Credential ID: GP3LCWLDY17W, Issued Jan 2025
- **Foundations of Cybersecurity | Coursera (Google)**
Credential ID: DNZG7XURSSZB, Issued Dec 2024
- **Data Literacy Essentials**
Issued Aug 2024 by SAS
- **Data Literacy in Practice**
Issued Aug 2024 by SAS

Volunteering

IEEE Alexandria Student Branch

Alexandria, Egypt, Sep 2023 – Present

- Promoted technology and engineering through organizing events and workshops.
- Collaborated with local schools to inspire students in STEM.