

HAYA KASSEM

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Motivated data science enthusiast, committed to bridging the divide between data science and policymaking, unlocking the transformative potential of big data. To view my past research and visualisations, visit (<https://hayakassem.github.io/>)

EDUCATION AND QUALIFICATIONS

UNIVERSITY OF WARWICK, BIG DATA AND DIGITAL FUTURES- MSc

2023-2024

- Awarded a Distinction, and recognised for best overall performance on the course.
- Final Portfolio invited to be used in promotional materials by the University of Warwick.
- Demonstrated comprehensive understanding of data science theories, ethical considerations, and practical applications, including advanced techniques in web scraping and data mining, using R, SQL and Python with a focus on generative AI.
- Developed proficiency in creating impactful visualisations using R and Python, emphasising critical analysis from ethical, aesthetic, and methodological perspectives.
- Exhibited a practical ability to comprehend and engage with the technical intricacies of large-scale technological ecosystems, spanning from distributed data processing to decentralised blockchain systems.

UNIVERSITY OF WARWICK, PHILOSOPHY, POLITICS AND ECONOMICS- BA (WITH HONOURS)

2020-2023

- Graduated with First Class Honours.
- Acquired proficiency in Stata, LaTeX, and MathType within Computing and Data Analysis modules, significantly enhancing my analytical skill set.
- Demonstrated proficiency in Python through independent learning, culminating in an undergraduate dissertation recognised with a bursary award for its innovative theoretical and methodological approaches.
- Focused on Middle Eastern and US politics, Consumer Cultures in Global Capitalism, Principles of the Political Economy, and Terrorism and Counterterrorism.

UNIVERSITY OF WARWICK, COVENTRY, ENG, WARWICK IFP, SOCIAL SCIENCES

2019- 2020

- Distinction (84%)
- Developed strong research skills by taking an Inquiry and Research Skills module.

THE BRITISH SCHOOL, ALEXANDRIA, EGY

2015-2019

- AS levels:** Maths (A), Physics (A), History (A), Arabic (A).
- GCSEs:** 8 (A*), including Maths (A*), English as a First Language (A*), French (A*)

EMPLOYMENT HISTORY

AI EVALUATOR, OUTLIER (BIRMINGHAM, ENG)

09/2024- CURRENT

- Developed and optimised content accuracy checks for AI-generated text across multiple subjects and fields.
- Analysed AI responses for bias, inaccuracies, and potential harm, utilising advanced research and data verification tools.
- Generated strategic recommendations for refining responses to enhance clarity, reliability, and user relevance.

UNIVERSITY OF WARWICK, STUDENT AMBASSADOR (COVENTRY, ENG)

01/2023- CURRENT

- Promoted Warwick's academic and cultural environment to prospective students, effectively boosting engagement in recruitment events.
- Aided with student recruitment by leading talks and campus tours.

OUTREACH EXECUTIVE, SERAPH SCIENCE (LONDON, ENG)

Marketing specialist helping tech firms connect with senior executives

09/2022- 09/2023

- Generated new leads and built searches using LinkedIn Sales Navigator, contributing to a 12% increase in Pathfinder membership.
- Developed relationships with C-Suite executives, enhancing community awareness and promoting services, leading to a 14% increase in engagement.

MACROPRUDENTIAL AND MONETARY POLICY INTERN, THE CENTRAL BANK OF EGYPT (CAIRO, EGY)

08/2022-09/2022

- Analysed data sets provided by CAPMAS to assess financial risk- using Microsoft Excel and SQL.
- Synthesised economic research into comprehensive reports, supporting senior economists in policy development.
- Demonstrated adaptability in a high-pressure environment, successfully meeting tight deadlines and contributing to key economic talks.

HUMAN RESOURCES COORDINATOR, ATEB GROUP (ALEXANDRIA, EGY)

07/2021-09/2021

Logistics, engineering, and trading company founded in 1998.

- Streamlined payroll audits using SAP SuccessFactors, ensuring accuracy and compliance.
- Aided with the recruitment process by posting job ads, filtering applications, scheduling interviews, assisting with the interview process and drafting offer letters.

LEGAL ASSISTANT, BADIE AND PARTNERS (ALEXANDRIA, EGY)

06/2019-08/2019

Corporate law firm specialising in M&A.

- Conducted in-depth legal research and analysis in both English and Arabic, aiding in the development of 8 legal cases.
- Managed sensitive client accounts and records, upholding strict confidentiality standards.

EDITORIAL INTERN, SEETHRU MAGAZINE (ALEXANDRIA, EGY)

05/2017-06/2017

- Collaborated with writers on story development and research, enhancing the magazine's content quality.
- Conducted interviews for feature stories, adding diverse perspectives to the magazine's narrative.

POSITIONS OF RESPONSIBILITY (OR EXTRA-CURRICULAR)**WARWICK CENTRE OF INTERDISCIPLINARY METHODOLOGIES SSLC, EDI REPRESENTATIVE**

10/2023-CURRENT

- Established the department's inaugural EDI subcommittee, spearheading initiatives to decolonise the curriculum and infuse diversity and inclusivity within the MA in Digital Media and Culture, MSc in Big Data and Digital Futures, and MASc in Data Visualisation programmes.
- Led workshops and sessions aimed at making data science practices more accessible and inclusive, advancing the establishment of an equitable academic community and enhancing learning environments for a diverse cohort of students.

WARWICK ARABIC SOCIETY, SECRETARY

02/2022-01/2023

- Handled sending out communications and memos to members on a weekly basis.
- Maintained invoices, handled scheduling tasks and provided administrative support.

AWARDS

PEARSON EDEXCEL OUTSTANDING LEARNERS AWARD	Awarded in 2018 for the highest mark in Africa in IGCSE History.
OUTSTANDING CAMBRIDGE LEARNER AWARD	Awarded in 2018 for achieving the highest mark in Alexandria in IGCSE English.
COBIS STUDENT ACHIEVEMENT AWARD	Awarded in 2019 for exceptional academic achievement across all subjects.
CIM BURSARY AWARD FOR EXCEPTIONAL STUDENTS	Awarded in 2023 for outstanding performance during undergraduate studies, supporting the pursuit of MSc studies at Warwick.
CIM AWARD FOR EXCELLENCE	Awarded for the best Overall Performance in MSc Big Data and Digital Futures

EXTRA QUALIFICATIONS

ACCENTURE	Strategy Consulting Virtual Experience- Credential ID: MMf3YG4rCpoHm5wHM
LULULEMON	Omnichannel Marketing Virtual Experience Program- Credential ID: XSqhNPKDkFrBs9Meh

SKILLS

IT SKILLS	Advanced skills in Microsoft Office Suite (Word, Excel, PowerPoint), Canva, Stata, LaTeX, SAP SuccessFactors, MathType, Microsoft Azure, Apache Spark, Shiny, GitHub, SQL, Python, and R.
QUANTITATIVE SKILLS	Strong foundation in mathematical and statistical analysis, capable of handling complex data with accuracy and efficiency.
QUALITATIVE SKILLS	Demonstrate keen observational abilities and adeptness in developing strategies, utilising creative and critical thinking to solve problems.
COMMUNICATION SKILLS	Effective in both verbal and written communication, skilled at presenting complex ideas clearly and engagingly.

LANGUAGES

ARABIC	Native Tongue.
ENGLISH	Native/ Bilingual Proficiency.
FRENCH	Limited Working Proficiency.

INTERESTS

- **EMERGING TECHNOLOGIES, AI ETHICS AND GLOBAL SOCIOECONOMIC TRENDS.**

REFEREES*References are available upon request.*