Khalid Salim Bahajjaj

Data Scientist

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| E-Mail: [k.bahajjaj@yahoo.com](mailto:k.bahajjaj@yahoo.com) ● Address: 5th Settlement, Cairo, Egypt ● Mobile: +201011665557  LinkedIn: <https://www.linkedin.com/in/khalidbahajjaj/> ● GitHub: <https://github.com/kbahajjaj> | | |
| **Summary** | | |
|  | **E**xperience: 3 years of in Data Science and ML, 10 years in Data Analysis, and 11 years in teaching.  **W**orked on projects with NumPy, Pandas, Scikit-learn, Pytorch, Tensorflow, Excel, and Power BI.  **W**orked for 11 years as a teaching assistant in Statistics, Linear Algebra, and Image Processing courses.  **M**ultiple awards for academic excellence in undergraduate education.  **E**xcellent with Honors in both B.Sc. & M.Sc.  **A**uthored a MATLAB programming manual for Statistical Communications and Stochastic Processes. | |
| **Work Experience** | | |
|  | **Head of Educational KPIs Unit 05/2023 – Present**  **AASTMT – Cairo**   * Maintaining data acquisition/analysis workflows and KPI dashboards design for decision support * Collecting, cleaning & preprocessing admission and student grades data using MS-Excel. * Analyzing collected data for insights and visualization using Power BI. * Developing qualifying courses for academic staff. * Establishing and maintaining educational channels between different colleges and campuses.   **Data Analyst 06/2012 – 04/2023**  **AASTMT – Cairo**   * Admission data extraction and analysis for evaluation and prediction. * Providing insights & documentation for elevating university rank. * Establishing and maintaining educational channels between different colleges and campuses.   **Graduate Teaching Assistant 01/2001 – 05/2012**  **AASTMT – Cairo**   |  |  |  | | --- | --- | --- | | * Signal Analysis * Stochastic Processes | * Probability & Statistics * Linear Algebra | * + Digital Signal Processing   + MATLAB | | |
| **Internships** | | |
|  | **Digital Egypt Pioneers Initiative (DEPI) | MCIT 06/2025 – Present**   |  |  | | --- | --- | | * Data Science & ML Engineering * Business English | * Personal Skills * Freelance Skills and Coaching |   **ITIDA+GIGs | itida & E-Youth 02/2025 – 05/2025**   |  |  | | --- | --- | | * Freelance platform profile best practices * Searching and bidding on projects * LinkedIn strategies for freelancers * AI for freelancing * Mindset, Resilience | * Submitting proposals * Marketing Strategies & personal branding * Negotiation and Communication * Payments and financial management * Building a sustainable freelancing career |   **AI Programming with Python | Bertelsmann & Udacity 03/2024 – 08/2024**   * Mathematical Foundation for Data Science * Data Science & ML Engineering   **McKinsey Forward Program | McKinsey & Co. 01/2024 – 04/2024**   * Adaptability & Resilience: mindset patterns about learning, emotional flexibility, team learning. * Problem Solving: McKinsey’s approach * Communicating for Impact: Structuring arguments & tailoring them for audience needs * Digital Transformation   **Data Analysis Professional, FWD Initiative | Udacity 10/2022 – 02/2023**   |  |  | | --- | --- | | * Data Science & ML Engineering * Web Scraping | * Foundations of Agile * Managing Freelance Projects | | |
| **Education** | | |
|  | **2008-2012: M.Sc. in Elect. & Communication Eng. AASTMT Cairo – Egypt**   * Excellent with Honors (GPA: 3.79)   **1994-1999: M.Sc. in Elect. & Communication Eng. AASTMT Alex. – Egypt**   * Excellent with Honors (GPA: 3.76) | |
| **Courses** | | |
|  | **Introducing Generative AI with AWS | AWS & Udacity 08/2025**   |  |  | | --- | --- | | * ML Found. with AWS: SageMaker * Introduction to LLMs & PartyRock App | * Real-world applications of Generative AI * AI Ethics |   **Artificial Intelligence Fundamentals | Udacity 04/2025**   |  |  | | --- | --- | | * Prompt Engineering with ChatGPT | * Ethical AI |   **Intensive Power BI Course | Qafza 03/2025**   |  |  | | --- | --- | | * ML Found. with AWS: SageMaker * Introduction to LLMs & PartyRock App | * Real-world applications of Generative AI * AI Ethics |   **Foundations of Digital Marketing | Bertelsmann & Udacity 02/2025**   |  |  | | --- | --- | | * Intro to Digital Marketing Framework * Business Value * Customer Segmentation and Persona | * Marketing Channels * Marketing Objectives and Performance * Content Planning | | |
| **Certificates** | | |
|  | * 08/2025 | Intro to Gen AI by AWS & Udacity | Cred. ID: a4246b44-5851-11f0-b5ce-fb20b7ab9c08 * 08/2025 | ML Foundations by AWS ● Credly Cred. ID: cb8eb7a5-5191-490a-95a8-f19ee814eb3f * 04/2025 | AI Fundamentals by Udacity ● Cred. ID: 56c9be10-0c54-11f0-b2fb-df0f4a6cf69d * 02/2025 | Found. of Dig. Marketing by Udacity ● Cred. ID: [fd993fb6-b7ba-11ef-b3c4-478f3c3804d8](https://www.udacity.com/certificate/e/fd993fb6-b7ba-11ef-b3c4-478f3c3804d8) * 08/2024 | AI Prog. with Python by Udacity ● Cred. ID: 97a7fb5e-dc53-11 ee-8c21 -d761 e973723a * 02/2023 | FWD Data Analysis Professional by Udacity ● Cred. ID: Y6FMPY7L * 11/2022 | AWS Machine Learning Foundations by Udacity ● Cred. ID: T6HYPVVR * 05/2022 | 1-Million Jordan Coder Data Analysis Track by Udacity ● Credential ID: A4EQEESS * 02/2022 | FWD Data Challenger Track by Udacity ● Cred. ID: RLCCANDV | |
| **Scientific Publications** | | |
|  | * Spatial path separation diversity in 3G multimedia mobile communications using Intelligent Pre-Rake Processing in MISO channels, Radio Science Conference, 2008. NRSC 2008, Tanta, Egypt. | |
| **Hard Skills** | | |
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| **Personal Skills** | | |
|  | |  |  |  | | --- | --- | --- | | * Self-motivated * lifelong learner | * Problem Solving * Design/Critical thinking | * Adaptability/Resilience * Negotiation/Communication | | |
| **Languages** | | |
|  | | |  |  | | --- | --- | | * Arabic (Native) | * English (Fluent) | |