

KHALID SALIM BAHAJJAJ

DATA SCIENTIST

E-Mail: k.bahajjaj@yahoo.com • Address: 5th Settlement, New Cairo • Phone: +20-1011-665557

LinkedIn: <https://www.linkedin.com/in/khalidbahajjaj/> • GitHub: <https://github.com/kbahajjaj>

Data Scientist with 3 years' experience in Machine Learning, 10 years' experience in Data Analysis, and 11 years' experience in Engineering University Education. Worked on Data Analysis, classification and NLP projects using Microsoft Excel, Power BI, Python, Pandas, Pytorch, Tensorflow, and Scikit-Learn.

OBJECTIVE

Seeking a challenging full-time/part-time remote/freelance position as a data scientist/analyst or ML engineer in a multi-national enterprise, among a team of like-minded individuals, where I can sharpen and apply my data science and AI skills.

QUALIFICATION HIGHLIGHTS

Extensive teaching experience Statistics, Linear Algebra, DSP, and Image Processing.

Multiple awards for academic excellence in undergraduate education.

Excellent with Honors in both B.Sc. & M.Sc.

Authored a MATLAB programming manual for Statistical Communications and Stochastic Processes.

Worked with Neural Networks, Speech Processing, Image Processing, and Pattern Recognition since 1999.

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 – Alexandria, Egypt.

- Excellent with Honors (GPA: 3.76)

EXPERIENCE: WORK/INTERNSHIPS

Internship | Digital Egypt Pioneers Initiative (DEPI)

06/2025 – Curr.

- Data Science & ML Engineering:
 - Data visualiz.: Matplotlib, Seaborn.
 - Data management: NumPy, Pandas.
 - ML: Hug. Face, Pytorch, Tensorflow.
 - Object Oriented Programming
- Business English
- Soft Skills
- Freelance Skills and Coaching

Internship | 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
- Clients Negotiation and Communication
- Payments and financial management
- Building a sustainable freelancing career

Internship | AI Programming with Python | Bertelsmann & Udacity Nanodegree

03/2024 – 08/2024

- Ver. Control: Scripting, Git, & GitHub.
- Anaconda and Jupyter Notebooks.
- Linear Algebra, Calculus, and NNets.
- Object Oriented Programming.
- Data visualization: Matplotlib, Seaborn.
- Data management: NumPy, Pandas.
- Machine Learning: Pytorch.
- Web Scraping: HTML, Beautiful Soup

Head of Educational KPIs Unit**05/2023 – Curr.****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.

Internship | Data Analysis Professional, FWD Initiative | Udacity Nanodegree**03/2024 – 02/2023****AASTMT – Cairo**

- Descriptive Statistics
- Inferential Statistics
- Data Wrangling: NumPy, Pandas
- SQL for Data Analysis
- Data Visualization: Matplotlib, Seaborn
- Anaconda and Jupyter Notebooks.
- Foundations of Agile
- Managing Freelance Projects

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

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

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

- Introducing Generative AI with AWS (08/2025)
- AWS Education ML Foundations (08/2025)
- Introduction to Power BI by Qafza (05/2025)

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.

SKILLS

- Hard Skills:
 - MS-Excel, Power BI
 - NumPy, Pandas, Matplotlib, Seaborn
 - Pytorch, Tensorflow, Hugging Face
- Soft Skills:
 - Resilience & Adaptability
 - Self-motivated
 - Critical thinking & Problem Solving

LANGUAGES

Language	Writing	Reading	Speaking
Arabic (Native)	Excellent	Excellent	Fluent
English	Excellent	Excellent	Excellent

REFERENCESFurnished upon Request
