

# Haitham Alhaji

June 1994 — Single

AI & Machine Learning with interest in Computer Vision, professional with 5+ years of experience in DevOps, Networking, and Software Development (Web, Smart Devices) Expert. Also, enough experience in photography

## Experiences

### Cihan University, Duhok — AI Centre Assistant

July 2023 - Present as Full-Time

Utilizing artificial intelligence to improve various aspects of university operations. all aimed at making the university more efficient and impactful.  
(Ref: Available upon request)

### DP Duhok, Duhok — Graphic Designer & Web Developer

March 2022 - Present as Part-Time

(Ref: Yousif Zewi, yousif.zawi@dpduhok.com)

### Harikar NGO / GIZ, Duhok — Media Officer

Sep. 2021 - Sep 2022 as Full-Time

The visibility materials play a vital role to arrive values of one community to another. That is what I did get by arriving values and clear thinking about my responsibilities to the target audience.  
(Ref: Brwa Hikmet, brwa52@gmail.com)

### Audteye, Istanbul — Software Engineer

July 2020 - July 2021 as Full-Time

The technical and Experience have combined to provide the infrastructure for the real-time service in the artificial intelligence side of NLP by applying the Chatbot on many platforms. It was also Developing Web app and microservices.  
(Ref: Suhaib Ghazi, sia@audteye.com)

## Education

### Ph. D. Student, Mosul University, IRAQ

Sep. 2022 - Present (Machine Learning / Text-To-image, NLP, Computer Vision, GAN)

As a Ph.D. student, I am continually exploring advanced areas such as artificial intelligence, data mining, and machine learning developing a deep understanding of these fields and their practical applications.

## Education

### M. Sc., Bahçeşehir University, TURKEY — 89.5%

Feb. 2019 - Apr. 2021 - Computer Engineering (Artificial Intelligence/Patterns Recognition)

During my master's degree, I explored new academic areas, such as AI, data mining, and machine learning, and gained valuable insights into research and academic writing. It was a fully-funded scholarship

### B. Sc., Mosul University, IRAQ — 83.8%

Oct. 2013 - June 2017 - Computer Science (Internet of Things)

The gateway to my desire, so I started my academic life and learned what is coordinated and organized in my specialization in many aspects. IoT as Home automation was my graduation project. I'm TOP 2<sup>nd</sup> graduation class.

## Languages

Arabic, English (certified by [TOEFL](#), BAU, UoM) and Kurdish



Zerka - Duhok - IRAQ

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## Skills

- Artificial Intelligence [AI](#) Develop algorithms and models to solve problems with artificial intelligence based on Keras and Python.
  - Natural Language Processing [NLP](#) Chatbot service is built on several platforms and fills the incumbent of sales.
  - The Internet of Things [IoT](#) is based on the Arduino smart home and smart gateway.
  - Developing Operating [DevOps](#) Configure Real-time Hosting Services infrastructure based on Ubuntu and CentOS.
  - Database Administrative [DBA](#) Providing MySQL database and others with its DDL, DML, and DCL
  - Smartphone applications based on [Cross-Platform App](#). Technology to provide applications on several systems.
  - Web App. with [NodeJS](#) as Backend and [ReactJS](#) as Frontend for developing apps.
  - Desktop App. [dotNet](#) Smooth in dealing with problems and finding solutions using [C#](#) with [DevExpress](#).
  - Network Administrative based on [MikroTik](#) to Load-balancer, dealing with API and Scripting.
  - Website design based on [WordPress](#) & [Joomla](#) and dealing with its style and management
  - Adobe Family familiar for designing Social Media, printable material, video editing, etc.
- ## Certifications
- Deep learning specialist [Stanford University](#) provided Courses after passing five stages.
- Artificial intelligence techniques, dealing with Keras and modern technologies such as Transfer Learning from the [Pluralsight](#) platform.
- Humanities skills, in many that may illuminate the workflow as in management, media, planning and design issued by various places as IALD, Edraak, AI Jazeera Institute and TRT.

## Projects — as Software Engineer



### Chatbot — *AI-based chatbot*

The artificial intelligence bot provides a communication service and answers customer inquiries on various communication and social platforms such as Facebook, Telegram, WhatsApp, and web pages.



### Youth Leadership Forum 5 — *Organizing the internal affairs of the forum.*

We provide a work environment for the Fifth Leadership Youth Forum pioneers, managing it and facilitating dealing with it with the organisational aspect in terms of conferences, workshops, meals, and the rest of the events.



### Face Emotion Recognition — *Find out what the face hides.*

We provide the possibility of recognising facial gestures for the computer through training on many pre-entered images and then exposure to them through the camera to find the appropriate expression for the face exposed to the input unit.



### Educational Mana. Sys. — Communication with the public.

We hold seminars and scientific lectures and provide certificates to complete the courses held directly through live broadcast platforms.



### Registration — Submitting for competition.

Any nomination process for a party that asks you to collect your information and then sort it according to a certain standard, this system allows you to complete these steps smoothly.



### Library Manag. Sys. — *Books & around them.*

An interactive system for the community of book management and a mechanism within it and search for it cooperatively, borrowing, classification and other processes pour the library its dynamic shape in growth.



### Home Automation — *Automate what's around you.*

Control your home remotely, in a wireless way, and centrally. By connecting the general electrical system of the house with a central processing unit, it will reach all parts of the place.



### RealTime Infrastructure — *Responding to the high pressure of the service request.*

Excessive pressure and servicing may try to provide a suitable environment to deal with several servers and distribute that pressure on them equally with the support of the CICD service to improve the service development process with programming the shell scripts.



### E-Commerce — You are a customer, and others are a customer.

An e-commerce web application helps in marketing and managing products and existing purchases remotely.



Artificial Intilefience



Hosting



Linux (Ubuntu)



Docker



Android



MySQL



MySQL



Cloud Services



NodeJS



Frontend



Platform Heroku



Multi-Users



C++



Arduino



Electronic



Visual Studio



Python



OpenCV



AWS Cloud



Data Collector



Scripting



RPA



WordPress



## Projects — as Graphic Designer

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### **Annual Report** — *Infographic*

a document produced by a company that provides information about its financial performance and operations over the past year, including a review of its accomplishments, challenges, and future prospects.

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### **Calendar** — *Wall & Desk*

used to organize days and events, consisting of months, weeks, and days. It helps individuals and organizations plan and keep track of time for social, religious, commercial, or administrative purposes.

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### **Social Media** — *Visual Identity*

the creative aspect of social media content, including visual elements like images and videos, used to make engaging and visually appealing content that communicates effectively with the target audience and helps to establish a consistent brand image across different platforms.

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### **Powerpoint** — *Interviews & Marketing*

creating visually appealing and engaging presentations using Microsoft PowerPoint software, including designing and formatting slides, selecting appropriate fonts, colors, and images, and creating visual aids to enhance the message and engage the audience.

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### **Catalog** — *Books & magazine*

a publication, usually in print or online, that provides a list of items or products for sale, along with descriptions, prices, and other relevant information. Catalogs are often used by retailers, manufacturers, and service providers to showcase their offerings and attract customers.

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### **Posters** — *Banners & Lighting*

a visual medium that displays information or promotes a message using text, images, and graphics, often displayed in public places to attract attention and convey a message to a large audience.

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### **Videography & Editing** — *A-Z*

The process of creating videos, involving capturing, editing, and producing content using digital technology. a range of industries, including media, advertising, education, and entertainment, to convey information and messages in a dynamic and engaging way.

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**Courses — What I'm lecturing**

**Artificial Intelligence/ML — *Infographic***

An in-depth exploration of artificial intelligence and its application in various domains. Topics include machine learning, natural language processing, and [Data Science](#).


**Computer Network & Security — *TCP/IP***

in-depth exploration of computer networks and their security. Students will learn about network architectures, protocols, and security mechanisms, including encryption, authentication, and access control.


**Microprocessor — *Computer Architecture***

A comprehensive introduction to microprocessors, covering topics such as microprocessor architecture, instruction sets, memory interfacing, and input/output interfacing


**IT & Computer Skills — *Overview***

A broad introduction to information technology and computer skills, covering topics such as computer hardware and software, operating systems, productivity tools, and networking


**Algorithm & Data Structure — *Sorting***

a comprehensive introduction to algorithms and data structures, covering topics such as searching, sorting, graph algorithms, and dynamic programming


**Computer Vision — *Image Processing***

Providing an introduction to computer vision, covering topics such as image processing, feature extraction, object recognition, and machine learning techniques for computer vision.


**Programming — *OOP***

Concepts of programming, including data types, control structures, functions, and object-oriented programming. Students will learn how to implement algorithms and solve problems using programming languages such as Python, Java, and C++


**Database System — *RDM***

A comprehensive introduction to database systems, covering topics such as data modeling, relational algebra, SQL, database design, and data warehousing.


**Web Development — *App & Server***

Providing an introduction to web development, covering topics such as HTML, CSS, JavaScript, and server-side programming.


**Operating System — *Process Management***

Introduction to operating systems, covering topics such as process management, memory management, file systems, and device drivers.

