



# Hasan Deeb

An enthusiastic researcher with two years of experience in the machine learning field. Have more than 6 years of experience as a full-stack developer. Looking for real challenges that enhance my research skills and allow me to unlock my potentials .

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## WORK EXPERIENCE

### **ZKood, Kuwait (KW)— Backend Developer**

Sep 2021 – Present

- Participating in the development process of a large project named Zfloos
- Working with various teams on projects of different sizes as a backend developer using Laravel platform.
- Participating in the project deployment process to live servers.

### **Brain Click, Dubai (UAE)— Mobile Application Developer**

Sep 2020 – Sep2021

- Develop various E-commerce native applications for Android and IOS platforms.
- Coordinating with the department clients and preparing projects' offers.
- Participate in the project's analyzing, planning and preparation processes.
- Leading a team of 6 developers and providing follow-up reports.
- Reviewing the developers codes, helping them to solve the issues and testing their final outcomes.
- Preparing detailed reports of projects updates and specifications, work progress, identify conflicts, and team activities.

### **Smart WEB Iraq, Erbil (Iraq)— Full Stack Developer**

May 2019 - Sep 2020

- Delivering dashboards, Restful APIs, along with user-centric websites that meet all business requirements using Laravel/PHP, Angular JS frameworks.
- Planning and building a large shipping management system (including accounting system, employees management system, invoices management system, and orders management system) for a large shipping company in Erbil (named as Ideal Express).
- Working with the team members on determining system loads and developing improvement plans
- Gathering and defining customer requirements to develop clear specifications for project plans

### **SCIT, Tartous (Syria) — Project Manager**

Jan 2018 - Aug 2019

- Leading a team of 8-12 programmers, evaluating their performance, and providing reports about the current progress of projects.
- Coordinating with the analysis department to check the legality of the projects' documentations.
- Preparing start-up plans for the projects and handling projects' deliveries..
- Testing the delivered parts of projects and checking the completeness of the final products.
- Working with the programmers to deliver express projects in emergency cases.

## SKILLS

**Strong Programming Skills.**

**Follow all news in my research field.**

**Problem-solving.**

**Communication and presentation.**

**Organizational and analytical skills.**

**Machine Learning Algorithms.**

## AREA OF EXPERTISE

**Backend web development,** using Laravel framework, Node js.

**Frontend web development,** using Laravel, Angular, Livewire frameworks.

**Android App development,** using Java language.

**IOS App development,** using Swift language.

**Hybrid App development,** using Flutter language.

**Desktop App development,** using JAVA, C# languages.

**Machine learning techniques and tools.**

**Optimization algorithms.**

**Bayesian thinking**

**Meta-heuristic algorithms.**

**Statistical machine learning.**

**Data visualization**

**Dimensionality reduction**

**Familiar:** PHP, JavaScript, Html,

- Responsible for training the new candidates to join the team.
- Basic management of the company server
- Developing various IOS applications (Mangoul, Smart Customer, .. )
- Suggesting of new commercial ideas to be accomplished by the company.

## SCIT, Tartous (Syria) — Full Stack Developer

Feb 2016 - Jan 2018

- Working in an organized team as a full stack developer focused on frontend-backend web development (Pure PHP, Node Js, Laravel/PHP), android(Java) development, IOS (Swift) development, ....
- Participating in the planning and preparation process of Tabakhoon application.
- Implementing the Restful API and the native Android application of Tabakhoon project.
- Reviewing my teammate code, debugging problems, and suggesting urgent solutions..

## EDUCATION

### Siksha 'O' Anusandhan University, Master in computer science and engineering, Ranked 2<sup>nd</sup> in my class.

Aug 2019 – July 2021

During my study in SOA university, my main research area was about optimization algorithms and especially, meta-heuristic optimization algorithms. My work focused on identifying the limitations of Black Hole algorithm and suggesting new ideas to cope with these limitations. Then, using this algorithm to perform various machine learning tasks, like clustering and classification. Furthermore, the algorithm is used to tune the parameters of other machine learning models and succeed to improve its performance significantly.

### Al-Baath University, Bachelor in Software Engineering And Information Technology, Ranked 7<sup>th</sup> in my class.

Aug 2010 – Aug 2015

## CERTIFICATES

- Best paper in the International Conference on Electronic Systems and Intelligent Computing, Kalinga Institute of Industrial Technology (KIIT) university (Nov 2021 ).
- Deep Learning Using Medical Data Online Training (Feb 2021)
- Participation certificate in a the webinar titled : Hierarchical transforms of multidimensional images: algorithms and applications (Feb-2021)
- Participation certificate in 13th National Workshop on Recent Trends in Software Testing (Dec 2020)
- Improving Deep Neural Networks training (Dec 2020)
- Neural Networks and Deep Learning training (Sep 2020)
- Best paper in the International Conference on Intelligent and Cloud Computing, Siksha O Anusandhan university (Dec 2019 ).
- Participation and presenting paper certificate in the International Conference on Intelligent and Cloud Computing, Siksha O Anusandhan university (Dec 2019)

CSS, Java, C++, Python, C#, SQL, MySQL, Git, Swift, Node JS, JavaScript, Photoshop

## AWARDS

**Best paper in the International Conference on Electronic Systems and Intelligent Computing (ESIC-2021), Kalinga Institute of Industrial Technology (KIIT) university (Nov 2021 ).**

**Best paper reward in the International Conference on Intelligent and Cloud Computing hold by Siksha O Anusandhan (Dec 2019)**

**Syrian Collegiate Programming Contest (2013,2014,2015)**

Ranked 3<sup>ed</sup>,2<sup>nd</sup>,2<sup>nd</sup> out of 15 accordingly.

## LANGUAGES

**Arabic** native  
**English** C2, fluent

## PROJECTS

A list of all my works can be viewed on my website, check it from [here](#)

- 2nd place certificate in Syrian Collegiate Programming Contest (May 2015,2014)
- 3rd place certificate in Syrian Collegiate Programming Contest (Mar 2013)

## **PUBLICATIONS**

- Deeb, H., Sarangi, A., Mishra, D. and Sarangi, S.K., 2020. Improved Black Hole optimization algorithm for data clustering. Journal of King Saud University-Computer and Information Sciences.
- Deeb, H., Sarangi, A. and Sarangi, S.K., 2021. Improvement of Load Balancing in Shared-Memory Multiprocessor Systems. In Intelligent and Cloud Computing (pp. 69-77). Springer, Singapore.
- Deeb, H., Hasan, H., Ladani, B.T. and Zamani, B., A machine learning approach for detecting and categorizing evasion sources in Android malware.
- Deeb, H., Sarangi, A., Mishra, D. et al. Human facial emotion recognition using improved black hole based extreme learning machine. Multimed Tools Appl (2022)..
- Aloss, A., Sahu, B., Deeb, H. and Mishra, D., 2021. A Crow Search Algorithm based Machine Learning Model for Heart Disease and Cervical Cancer Diagnosis (To be published).