



شَهَادَةُ الْبَكَالُورِيَا

إن وزير التربية،

بعد اطلاعه على القانون التوجيهي عدد 80 لسنة 2002 المؤرخ في 23 جويلية 2002 المتعلق بال التربية والتعليم المدرسي كما تم تقييمه وإتمامه بالقانون عدد 9 لسنة 2008 المؤرخ في 11 فيفري 2008 وخاصة الفصل 62 منه،
وعلى الأمر عدد 29 لسنة 2008 المؤرخ في 2 جانفي 2008 المتعلق بضبط عدد وأنواع شعب التعليم الثانوي وأنواع شهادة البكالوريا،
وعلى قرار وزير التربية والتكوين المؤرخ في 24 أفريل 2008 المتعلق بضبط نظام امتحان البكالوريا وعلى جميع النصوص التي تقتضي أو تتمم،
وعلى محضر القبول النهائي في الامتحان،

08-06-05-09



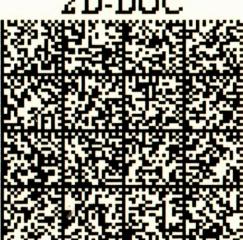
يسند شهادة البكالوريا إلى كريم الزعفراني
المولود(ة) في 2004/06/07 ببنابل
والمرسم(ة) في شعبة الرياضيات
وذلك بعد نجاحه(ها) في امتحان البكالوريا دورة

ولاية نابل
تحت عدد 141509
بملاحظة حسن جدا
تونس في 2022/06/26



عدد 1074147

تنبيه : تسلم هذه الشهادة مرة واحدة



2D-DOC



الجمهورية التونسية
وزارة التربية

بيان أعداد امتحان البكالوريا (خاص بالناجحين) دورة 2022

الإسم واللقب : كريم الزعفراني

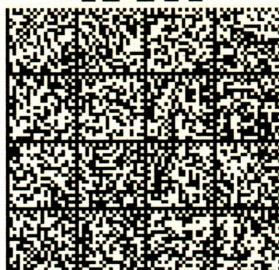
مكانها : نابل تاريخ الولادة : 2004/06/07

عدد الترسيم : 141509 الشعبة : الرياضيات

دوره المراقبة	الدوره الرئيسية	المواد
*****	15,50	رياضيات
*****	14,50	علوم فيزيائية
*****	14,75	علوم الحياة والأرض
*****	17,00	إنقليزية
*****	16,50	فرنسية
*****	16,37	ערבית
	12,25	فلسفة
	19,62	إعلامية
	19,33	تربيـة بـدنـية
	20,00	إسبانية
	16,38	المـعـدـلـ النـهـائـي
حسن جدا		الملاحظة

2022/06/26 تونس في :

2D-DOC



08-06-07-11

République Tunisienne
Ministère de l'Enseignement Supérieur et
de la Recherche Scientifique
UNIVERSITE DE TUNIS EL MANAR
INSTITUT SUPERIEUR DE L'INFORMATIQUE

ATTESTATION DE REUSSITE 2022 - 2023

Le secrétaire général de l'**INSTITUT SUPERIEUR DE
L'INFORMATIQUE**, atteste que l'étudiant :

Nom : **ZAAFRANI**

Prénom : **KARIM**

Né le : **07/06/2004** à **NABEUL**

Titulaire de la Carte d'Identité Nationale N°: **14777006**

18-21-12-05

est inscrit sous le numéro : **L1CS140**

pour l'année universitaire **2022 - 2023** a subi avec succès les examens
de la **première année**

Diplôme : **Licence en Science de l'Informatique "Computer Science"**

Spécialité : **Tronc commun**

à la session **Principale** avec la mention **TRES BIEN**

La présente attestation est délivrée à l'intéressé, pour servir et valoir
ce que de droit.

Fait à Ariana, le **07-06-2023**

Le secrétaire général

Houda THEMRI



NB : Cette attestation ne peut être délivrée qu'une seule fois

2 rue Abou Rayhane Bayrouni 2080 Ariana

Tel: **71706164** Fax: **71706317** Email : **isi@rnu.tn**

RELEVE DE NOTES

2022 - 2023

Nom et Prénom : ZAAFRANI KARIM

Né le : 07/06/2004 à : NABEUL N° de CIN : 14777006

Diplôme : Licence en Science de l'Informatique "Computer Science" : Tronc commun

Situation : Nouveau

N° d'Inscription : L1CS140

Niveau d'étude : Première année

Session Principale

Unités	Coefficient	Crédit	Régime	Moyenne	Crédit Acquis	Eléments d'enseignement				
Semestre : 1										
Logique et multimédia	3	6	MX	15.66	6	Libellé logique formelle technologies multimédias	1.5	MX	14.2	3
Mathématiques 1	3	6	MX	19.32	6	Libellé algèbre 1 analyse 1	1.5	MX	17.11	3
Unité transversale	2	4	CC	14.3	4	Libellé anglais 1 techniques de communication 1	1	CC	19.15	3
Algorithmique et programmation 1	3.5	7	MX	17.37	7	Libellé algorithmique et structure de données atelier programmation 1	2	MX	16.39	4
Systèmes d'exploitation et architecture	3.5	7	MX	16.5	7	Libellé système d'exploitation 1 systèmes logiques et architecture des ordinateurs	1.5	MX	15.42	3
							2	MX	17.31	4
Semestre : 2										
Bases de données	2	4	MX	19	4	Libellé fondements des bases de données	2	MX	19	4
Mathématiques 2	3	6	MX	17.72	6	Libellé algèbre 2 analyse 2	1.5	MX	18.6	3
Algorithmique et programmation 2	3.5	7	MX	17.05	7	Libellé algorithmique ,structure de données et complexité atelier de programmation 2 programmation python	1.5	MX	16.85	3
Systèmes d'exploitation et réseaux	3.5	7	MX	18.36	7	Libellé système d'exploitation 2 fondements des réseaux	1	MX	17.11	2
Unité transversale	3	6	CC	14.53	6	Libellé culture et compétences numériques	1	CC	17.32	2
Total	-	60	-	-	-		1	CC	17.82	4

Moyenne générale : 17.03 Crédits Acquis : 60 Mention : TRES BIEN Décision de Jury d'examen : Admis

NB: Le calcul de la moyenne des unités d'enseignements du régime de contrôle continu et de ses éléments est effectué en application de l'article 15(Nouveau) et de l'article 16(Nouveau)de l'arrêté du MERS en date du 19 octobre 2012.

-Le calcul de la moyenne des unités d'enseignements du régime de Mixte et de ses éléments est effectué en application de l'article 15(Nouveau)

et de l'article 17(Nouveau)de l'arrêté du MERS en date du 19 octobre 2012.

* DISPENSE .

Ariana, le 07-06-2023

Le secrétaire général

Houda THEMRI





RÉPUBLIQUE FRANÇAISE
MINISTÈRE DE L'ÉDUCATION NATIONALE, DE LA JEUNESSE ET DES SPORTS

FRANCE
ÉDUCATION
INTERNATIONAL | DELF
DALF

DIPLÔME D'ÉTUDES EN LANGUE FRANÇAISE DELF B2

Niveau B2 du Cadre européen commun de référence pour les langues

Le directeur général de France Éducation international atteste que :

Karim ZAAFRANI

né le 07/06/2004 à NABEUL (TUNISIE)

de nationalité TUNISIENNE

*a satisfait aux épreuves du diplôme d'études en langue française niveau B2,
et devient titulaire de plein droit de ce diplôme.*

Fait à Sèvres, le 14/02/2022

Le directeur général de France Éducation international

n° de candidat : **216001-015096**

RELEVÉ DE RÉSULTATS

Nom et prénom : ZAAFRANI Karim

Nationalité : TUNISIENNE

Date et lieu de naissance : 07/06/2004 NABEUL (TUNISIE)

N° de candidat : 216001-015096

Conformément aux dispositions de l'arrêté du 7 juillet 2005, le titulaire de ce diplôme a subi avec succès les épreuves constitutives du diplôme d'études en langue française niveau B2, avec les résultats suivants :

session :	2021-12-T	centre d'examen :	Tunis - IF (TUNISIE)
ÉCRIT	Production	note	21,50 / 25
	Compréhension	note :	25,00 / 25
ORAL	Production	note :	24,00 / 25
	Compréhension	note :	18,50 / 25
		NOTE FINALE :	89,00 / 100

Le DELF niveau B2 est délivré à tout candidat ayant obtenu une moyenne minimale de 50 points à l'ensemble des épreuves, avec un minimum de 5 sur 25 dans chaque épreuve.

Le DELF et le DALF comportent sept niveaux. Les compétences évaluées pour chaque niveau correspondent à celles décrites par le Cadre européen commun de référence pour les langues :

- DELF A1.1, A1 et A2 : utilisateur élémentaire
- DELF B1 et B2 : utilisateur indépendant
- DALF C1 et C2 : utilisateur expérimenté

n° de diplôme : 216001-202112T-5389219



659-660



Stanford | ONLINE

Feb 11, 2023

Karim Zafrani

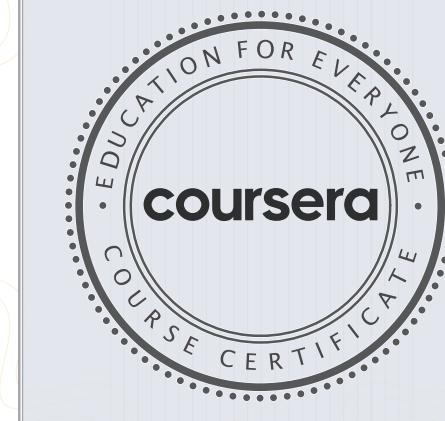
has successfully completed

Supervised Machine Learning: Regression and Classification

an online non-credit course authorized by DeepLearning.AI and Stanford University and offered through Coursera

Andrew Ng, Instructor, DeepLearning.AI

COURSE
CERTIFICATE



Verify at:

<https://coursera.org/verify/QFQHPBWL4TKB>

Coursera has confirmed the identity of this individual and their participation in the course.



Stanford | ONLINE

Aug 9, 2023

Karim Zafrani

has successfully completed

Unsupervised Learning, Recommenders,
Reinforcement Learning

an online non-credit course authorized by DeepLearning.AI and Stanford University and
offered through Coursera

Andrew Ng, Instructor, DeepLearning.AI

COURSE
CERTIFICATE



Verify at:
<https://coursera.org/verify/36BG2LLT3XJ3>

Coursera has confirmed the identity of this individual and their
participation in the course.



Stanford | ONLINE

Sep 14, 2023

Karim Zafrani

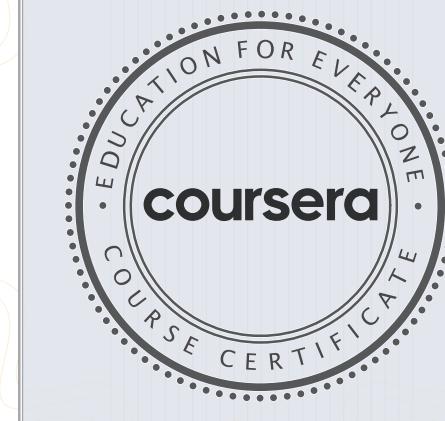
has successfully completed

Advanced Learning Algorithms

an online non-credit course authorized by DeepLearning.AI and Stanford University and offered through Coursera

Andrew Ng, Instructor, DeepLearningAI

COURSE CERTIFICATE



Verify at:

<https://coursera.org/verify/HFHCX3LLE3EE>

Coursera has confirmed the identity of this individual and their participation in the course.



3 Courses

Supervised Machine Learning: Regression and Classification

Advanced Learning Algorithms

Unsupervised Learning, Recommenders, Reinforcement Learning



Sep 14, 2023

Karim Zaafrani

has successfully completed the online, non-credit Specialization

Machine Learning

Congratulations on completing all three courses of the Machine Learning Specialization! You studied modern machine learning concepts, including supervised learning (linear regression, logistic regression, neural networks, decision trees), unsupervised learning (clustering, anomaly detection), recommender systems, and reinforcement learning. You learned some of the best practices for building machine learning models. You've also gained practical skills to apply machine learning techniques to challenging real-world problems. Now #BreakIntoAI and start building your career in machine learning!

A handwritten signature of "Andrew Ng" in black ink.

Andrew Ng, Instructor,
DeepLearning.AI

The online specialization named in this certificate may draw on material from courses taught on-campus, but the included courses are not equivalent to on-campus courses. Participation in this online specialization does not constitute enrollment at this university. This certificate does not confer a University grade, course credit or degree, and it does not verify the identity of the learner.

Verify this certificate at:
<https://coursera.org/verify/specialization/EU8HLM3B6GT>



CERTIFICATE OF COMPLETION

Karim Zaafrani

HAS SUCCESSFULLY COMPLETED THE COURSE

Intermediate Machine Learning

ON FEBRUARY 19, 2024



ALEXIS COOK, HEAD OF KAGGLE LEARN



Feb 2, 2024

Karim Zaafrahi

has successfully completed

Getting Started with Git and GitHub

an online non-credit course authorized by IBM and offered through Coursera



Upkar Lidder
Rav Ahuja
Lavanya Thiruvali Sunderarajan

COURSE CERTIFICATE



Verify at:
<https://coursera.org/verify/CGAANUNLJVEA>

Coursera has confirmed the identity of this individual and their participation in the course.

ID: A55CB395C2EE



Certificate

This is to certify that

Karim Zaafrani

has successfully cleared the assessment for the skill

SQL (Intermediate)

06 Apr, 2024

Date

A handwritten signature in black ink that appears to read "J. Harishankaran".

Harishankaran K

CTO, HackerRank

ID: CA099CACECE4



Certificate

This is to certify that

Karim Zaafrani

has successfully cleared the assessment for the skill

Problem Solving (Intermediate)

06 Apr, 2024

Date

A handwritten signature in black ink, appearing to read "J. Harishankaran".

Harishankaran K

CTO, HackerRank

ID: 31C38D943585



Certificate

This is to certify that

Karim Zaafrani

has successfully cleared the assessment for the skill

Java (Basic)

07 Apr, 2024

Date

A handwritten signature in black ink that appears to read "J. Harishankaran".

Harishankaran K

CTO, HackerRank

ID: B40DCFAB2265



Certificate

This is to certify that

Karim Zaafrani

has successfully cleared the assessment for the skill

Python (Basic)

07 Apr, 2024

Date

A handwritten signature in black ink, appearing to read "J. Harishankaran".

Harishankaran K

CTO, HackerRank

ID: 502067469961



Certificate

This is to certify that

Karim Zaafrani

has successfully cleared the assessment for the skill

JavaScript (Basic)

06 Apr, 2024

Date

A handwritten signature in black ink, appearing to read "J. Harishankaran".

Harishankaran K

CTO, HackerRank



This certifies that

Karim Zaafrani

successfully completed the

Foundational C# with Microsoft

Developer Certification on September 8, 2023

A handwritten signature of Quincy Larson.

Quincy Larson

Executive Director, freeCodeCamp.org

A handwritten signature of Julia Liuson.

Julia Liuson

President, Microsoft Developer Division

Verify this certification at:

https://freecodecamp.org/certification/Karim_Zaafrani/foundational-c-sharp-with-microsoft



Certificate of Achievement

Presented to the **THIRD RANKED TEAM :**

Karim Zafrani

For his/her remarkable contribution to the **6TH** edition of
Winter Cup 2024 Programming Contest

Amina Ghannem
Project Manager
Winter Cup

Lilia Sfaxi
Director of the
4C Center

Karim Ben Boubaker
Chairman ACM INSAT
Student Chapter



Certificate of Achievement

The 2023 ICPC Tunisian Collegiate Programming Contest

24 - 25 June 2023



Sixteenth Place

Institut Supérieur d'Informatique

Mohamed Bach Ouerdiane

Firas Briki

Karim Zaafrani

Nadia Bridaa, Coach

William B. Poucher

William B. Poucher, Ph. D.
ICPC Executive Director

HACKER CUP

ROUND 2

Meta recognizes

Karim Zaafrani (Kairm_Zaf)

for progressing to **Round 2** of the 2023 Meta Hacker Cup

Practice Round



2002nd

Round 1



1761st

Round 2



2040th





Certificate of participation to

IOPC

International Odoo Programming Contest

03/26/2024

This certificate is proudly presented to

Karim Zaafrani

in recognition of his/her participation

The IOPC organizing team



CERTIFICATE

of participation

This certificate is proudly presented to

Karim Zaafrani

in recognition of their exemplary performance, perseverance, and
valuable contribution shown at SECURICON

Cybersecurity in Cloud Computing

19/20/21 avril 2024

Date

*Executive Board
Securinets isi*

Executive board of securinets isi



جامعة نورثويورك بابو دبى
NYU ABU DHABI





Association for
Computing Machinery
INSAT Student Chapter



Certificate of Participation

Karim Zafrani

FOR HIS/HER PARTICIPATION IN THE 5th EDITION OF
WINTERCUP 2023
PROGRAMMING COMPETITION

Nermine Gharbi

PROJECT MANAGER
WINTERCUP 5.0

Lilia Sfaxi

4C-INSAT
DIRECTOR

Amani Bchir

CHAIRWOMAN ACM
INSAT STUDENT CHAPTER



CERTIFICATE

OF APPRECIATION

Presented to

Karim Zafrani

Has Attended Geeks hack 3.0

**For his valuable contribution and Fascinating addition and participation in the
Geeks Hack 3.0**

YOUSSEF AROUAY
chair man





CERTIFICATE

OF PARTICIPATION



ACM ESPRIT AWARDS THIS CERTIFICATE TO:

Karim Zaafrañi

Who honored us with his/her impressive performance
during the CONTEST "SolveIT" on 29/11/2023

Prof. Tahar Benlakhdar
President and Co-Founder of ESPRIT

A handwritten signature in black ink over a blue horizontal line.
Sarra Sahli
President of ACM ESPRIT club

CERTIFICATE

OF PARTICIPATION

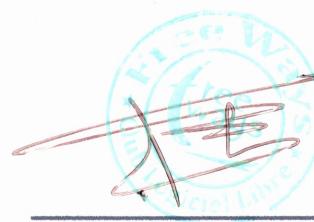
THIS CERTIFICATE IS PROUDLY PRESENTED TO

Karim Zaafrahi

for his/her participation & excellent performance
during ISI Local Contest



Mrs Nadia Bridaa
Freeways Coach



Med Aziz Smiri
Problem Solving
Department Head

CERTIFICATE

OF PARTICIPATION

is honorably awarded to

Karim Zaafrahi

in recognition of their exemplary performance, perseverance, and valuable contributions
shown as a PARTICIPANT in SecuriNets ISI annual event
“AI-Driven Cybersecurity: The Rise of Intelligent Threats”
at Hotel Delphin El Habib Monastir, held on 19-20-21 March 2023

Mohamed Ali Bessaïdi

SECURINET'S ISI PRESIDENT



CERTIFICATE OF ACHIEVEMENT

This is to certify that

KARIM ZAAFRANI

was the general secretary in charge of marketing and communication of TIMUN Ezzahra from December 2020 to August 2021.

He has worked with the best of abilities and served the club with utmost dedication.

Dates this the 6th of August 2021



MOHAMED BACH OUERDIAN

The president of TIMUN Ezzahra





AZIZ CHEBIL

The Vice-President of TIMUN Ezzahra

CERTIFICATE OF MEMBERSHIP

THIS IS GRANTED TO

KARIM ZAAFRANI

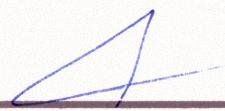
for being an active member from January 2021 to
August 2021 in good standing for all membership
benefits and privileges including full use of services
and facilities of TIMUN Ezzahra Club.

Dates this the 6th of august 2021


MOHAMED BACH
OUEBDIAN

The President of TIMUN Ezzahra




AZIZ CHEBIL

The Vice President of TIMUN
Ezzahra



MEMBERSHIP CERTIFICATE

THIS ATTESTS THAT

Karim Zaafrahi

was The Marketing Vice President of the Tunivisions Club High School LPHL, a club in Pioneer High School Hammam-lif during its first mandate 2020-2021



Tunivisions foundation

Tunivisions
— Club High School LPHL —

Malak Touibi
President