



*Agrupación de Capacitadores  
y Educadores de México*

Otorga el presente Certificado a:

**Edgar Omar Fragoso García**

Por su asistencia al:

***Curso “El Trabajo en Equipo y la Administración  
por Objetivos.”***

**(16 Horas)**

Efectuado en:

**Senasica**

**Fecha(s): 19, 20 y 21 de enero de 2016.**

Director de acape

L.A.E. Marco Tulio Bustamante C.

REGISTRO S.T.P.S. BUCM-430213-UK0-0013

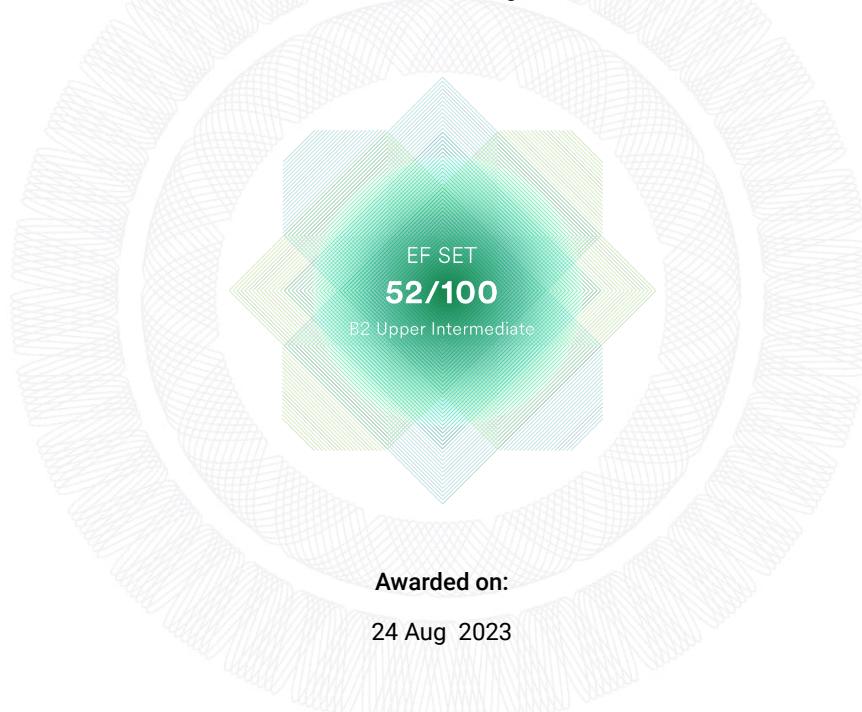
Instructor

Lic. Felipe Lemus Navarrete

This is to certify that

# Edgar Fragoso

has successfully completed the EF SET Certificate  
and has earned the English level:



## Understanding the results

EF SET	1-30	31-40	41-50	51-60	61-70	71-100
CEFR	<b>A1</b> Beginner	<b>A2</b> Elementary	<b>B1</b> Intermediate	<b>B2</b> Upper Intermediate	<b>C1</b> Advanced	<b>C2</b> Proficient

Your level of English is **52/100** on the EF SET score scale and **B2 Upper Intermediate** according to the Common European Framework of Reference (CEFR). This score is calculated as an average of your reading and listening scores



## Listening Section

**49/100** **B1** Intermediate

You understand most of what you hear in English on television, radio or the internet; your English vocabulary allows you to comprehend job-related language and most of what people say about feelings and events.

- Can deal with most situations likely to arise whilst travelling in an area where the language is spoken.
- Can understand the main points of clear standard speech on familiar matters regularly encountered in work, school, leisure, etc.



## Reading Section

**54/100** **B2** Upper Intermediate

You comprehend articles on many subjects and you can follow arguments and disagreements in most cases; you understand a variety of specialized written texts.

- Can understand the main ideas of complex text on both concrete and abstract topics, including technical discussions in his/her field of specialization.
- Can read articles and reports concerned with contemporary problems in which the writers adopt particular attitudes or viewpoints.



This is to certify that

# Edgar Fragoso Garcia

successfully completed and received a passing grade in

## Data Analysis with Python (DA0101EN, provided by IBM)

A course on [cognitiveclass.ai](https://cognitiveclass.ai)  
Powered by IBM Developer Skills Network.

Issued by  
**Cognitive Class**

**September 23, 2023**

Authenticity of this certificate can be validated by going to:  
<https://courses.cognitiveclass.ai/certificates/3617e407098746388da62aaf78d3f8e4>

Certificate ID Number: **3617e407098746388da62aaf78d3f8e4**

**September 23, 2023**



This is to certify that

# Edgar Fragoso Garcia

successfully completed and received a passing grade in

## Image Segmentation with Mean Shift Clustering

(GPXX04YGEN, provided by IBMSkillsNetwork)

A course on [cognitiveclass.ai](https://cognitiveclass.ai)  
Powered by IBM Developer Skills Network.

Issued by  
**Cognitive Class**

*Doug Davis*

Doug Davis

Technical Offering Manager - Code Engine  
IBM

**September 27, 2023**

Authenticity of this certificate can be validated by going to:

<https://courses.cognitiveclass.ai/certificates/6f895ea37cd042f39879f156c7395a3f>

Certificate ID Number: **6f895ea37cd042f39879f156c7395a3f**

**September 27, 2023**



This is to certify that

# Edgar Fragoso Garcia

successfully completed and received a passing grade in

## Unraveling Patterns with DBSCAN (GPXX0SHHEN, provided by IBMSkillsNetwork)

A course on [cognitiveclass.ai](https://cognitiveclass.ai)  
Powered by IBM Developer Skills Network.

Issued by  
**Cognitive Class**

*Doug Davis*

Doug Davis

Technical Offering Manager - Code Engine  
IBM

**September 26, 2023**

Authenticity of this certificate can be validated by going to:

<https://courses.cognitiveclass.ai/certificates/e8df8515ce2c45d7a381e98a9e73c27f>

Certificate ID Number: **e8df8515ce2c45d7a381e98a9e73c27f**

**September 26, 2023**

# **Certificate of Completion of**

Get Started with Data Analysis on Databricks

is hereby granted to

Edgar Fragoso

for completion on

9/26/2023





**ACTUMLOGOS**

DESARROLLANDO HABILIDADES TECNOLÓGICAS

Otorga el presente reconocimiento a:

*Edgar Omar Fragoso García*

Por haber acreditado el curso remoto de inteligencia artificial

**Matemáticas para Machine Learning**

con una duración de 44 horas.

Registro STPS: ZAGE-810930-FW2-0005

Realizado del 18 de junio al 10 de septiembre de 2022

**DR. ERIK ZAMORA GÓMEZ**  
Director de ACTUMLOGOS  
CED.PROF. 09587408

**DR. JOSÉ ADOLFO PERRUSQUÍA GUZMÁN**  
Instructor de ACTUMLOGOS  
CED.PROF. 11472464



# ACTUMLOGOS

DESARROLLANDO HABILIDADES TECNOLÓGICAS

Otorga el presente reconocimiento a:

# *Edgar Omar Fragoso García*

Por haber acreditado el curso remoto de inteligencia artificial

**Machine Learning en Producción**

con una duración de 44 horas.

Registro STPS: ZAGE-810930-FW2-0005

Realizado del 21 de Enero al 1 de Abril de 2023

**DR. ERIK ZAMORA GÓMEZ**

Director de ACTUMLOGOS

CED.PROF. 09587408

**M. en C. JOSE URIEL GONZALEZ ESCALONA**

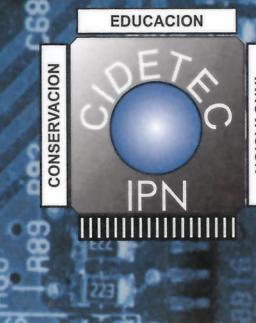
Instructor de ACTUMLOGOS

CED.PROF. 11546599



# INSTITUTO POLITÉCNICO NACIONAL

## Centro de Innovación y Desarrollo Tecnológico en Cómputo



Otorga la presente

### CONSTANCIA

al C.

## Edgar Omar Fragoso García

Por su participación en el curso de **Programación con Lenguaje "C"** que se llevó a cabo del 14 de febrero al 21 de marzo del 2015, con una duración de 30 horas y con evaluación

México, D.F., a 21 de marzo de 2015.

"LA TÉCNICA AL SERVICIO DE LA PATRIA"

A large, handwritten signature in black ink, appearing to read 'Oscar Camacho Nieto', is positioned over the text below.

DR. OSCAR CAMACHO NIETO  
DIRECTOR DEL CENTRO DE INNOVACIÓN  
Y DESARROLLO TECNOLÓGICO EN CÓMPUTO



S.E.P.  
INSTITUTO POLITÉCNICO NACIONAL  
CENTRO DE INNOVACIÓN Y DESARROLLO  
TECNOLÓGICO EN CÓMPUTO

REGISTRO: STPS IPN-811229-H26-0013



# INSTITUTO POLITÉCNICO NACIONAL

## Centro de Innovación y Desarrollo Tecnológico en Cómputo



Otorga la presente

### CONSTANCIA

al C.

## Edgar Fragoso García

Por su participación en el curso de **Administración de servidores con Linux** que se llevó a cabo del 20 de junio al 25 de julio del 2015, con una duración de 30 horas y con evaluación

México, D.F., a 25 de julio de 2015.

"LA TÉCNICA AL SERVICIO DE LA PATRIA"



A large, handwritten signature in black ink is positioned over the text below it.

S.E.P.  
INSTITUTO POLITÉCNICO NACIONAL  
DR. OSCAR CAMACHO NIETO CENTRO DE INNOVACIÓN Y DESARROLLO  
DIRECTOR DEL CENTRO DE INNOVACIÓN TECNOLÓGICO EN COMPUTO  
Y DESARROLLO TECNOLÓGICO EN CÓMPUTO

REGISTRO: STPS IPN-811229-H26-0013



La Universidad Nacional Autónoma de México  
a través del Instituto de Neurobiología

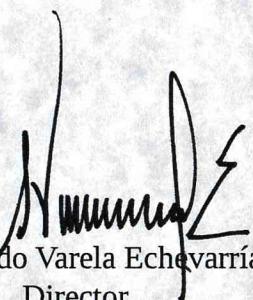
Otorga la presente  
Constancia

a

Edgar Omar Fragoso García

Por su participación como asistente al Curso  
**“Manejo de Grandes Volúmenes de Datos Utilizando Herramientas LINUX”**  
Impartido del 20 al 24 de Junio de 2016 (30 hrs.) en el Instituto de Neurobiología.

*POR MI RAZA HABLARA EL ESPIRITU*  
Juriquilla, Querétaro, a 30 de Junio de 2016



Dr. Alfredo Varela Echevarría  
Director



M. en C. Alberto Lara Ruvalcaba  
Profesor



M. en C. Leopoldo González Santos  
Profesor



ID: 108F3BCAE794



# Certificate

This is to certify that

## **Edgar Fragoso Garcia**

has successfully cleared the assessment for the skill

**Python (Basic)**

**11 Nov, 2022**

Date

A handwritten signature in black ink that reads "J. Harishankaran".

**Harishankaran K**

CTO, HackerRank