

Portofolio

Muhammad Irfan Karim
2023

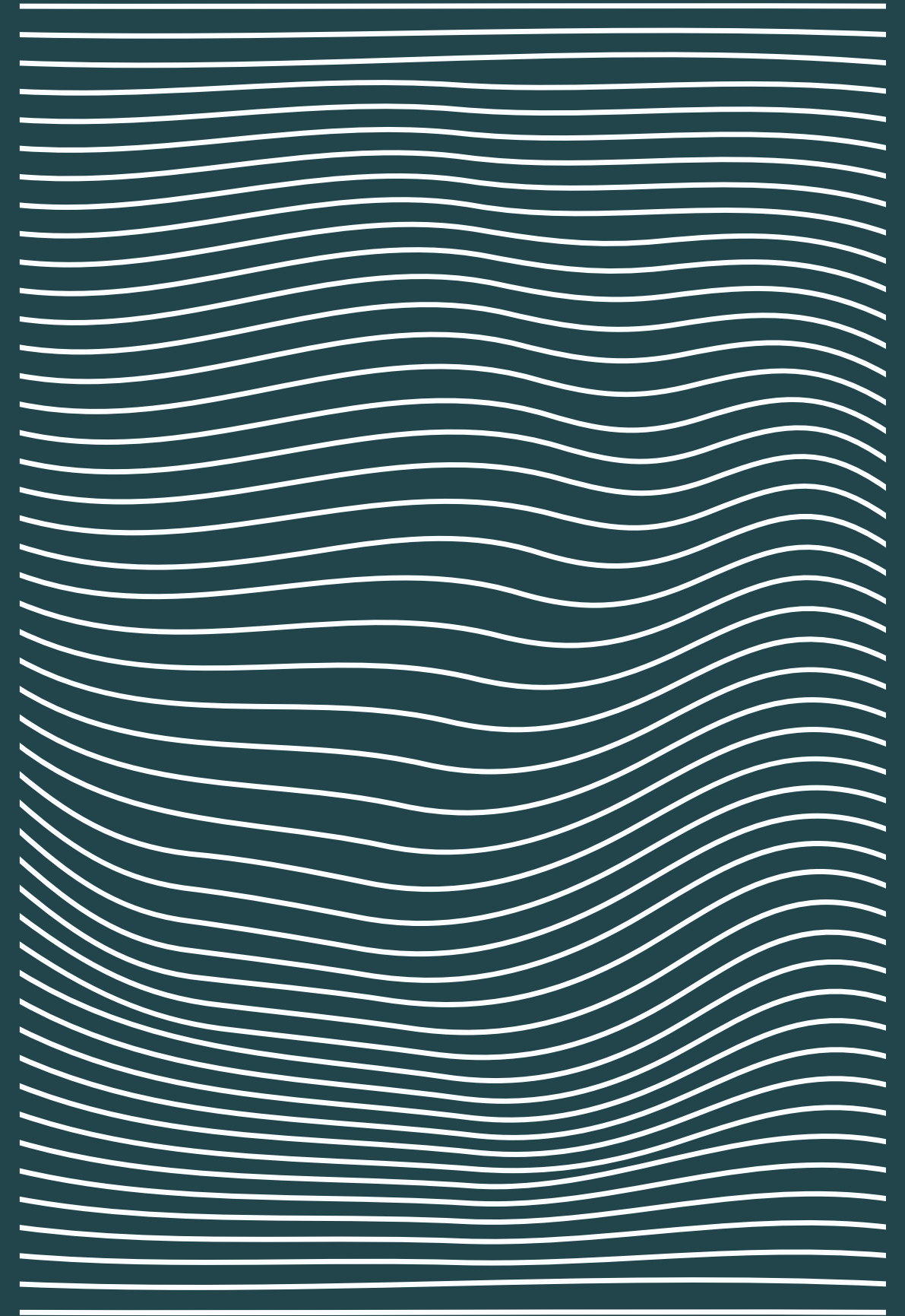


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ABOUT ME

Muhammad Irfan Karim

I am a Computer System student at Sriwijaya University with GPA 3.83. I am a highly motivated person equipped with integrity and goals.

During my college year, i actively participated in external and internal organizations which honed my soft skill such as leadership, problem-solving and working in a team. I like to develop my skills related to data by participating in various online courses. I have experienced in analyzing data and make prediction and gained a hardskill like data wrangling, data modeling, data visualization and data pre-processing.

I am extremely interested in Data Science, Data Analyst, and Machine Learning.

ORGANIZATIONAL EXPERIENCES

I'm actively participated in organizations such as Himpunan Mahasiswa Sistem Komputer (HIMASISKO) and Himpunan Mahasiswa Jambi (HIMAJA)

In HIMASISKO I became chairman of the association for 1 year.

When I became chairman of the HIMASISKO I succeeded managed to carry out more than 15 work programs that were held both at the departmental scale to the national scale and created a new breakthrough for the department like new events and external collaboration between any association organization in the university.





ORGANIZATIONAL EXPERIENCES

When I was staff at HIMAJA, I did a lot of big projects which involved many committees and also participants from any area.

I was once the deputy chief executive at the event where I managed and coordinated a team to be able to carry out a work program properly

OTHER ORGANIZATIONAL EXPERIENCES



-
1. Chairman of the Computer Systems Student Association (HIMASISKO) – 2022
 2. Staff of the Events Division of the Sriwijaya Besanjo HIMAJA work program – 2022
 3. Chief Executive of the SK FOR ESKA HIMASISKO work program – 2021
 4. Event Coordinator of the HIMASISKO Programming Workshop work program – 2021
 5. Deputy Chief Executive of the HIMAJA Angso Duo Millennial Festival work program – 2021
 6. Deputy Chief Executive of the HIMAJA UNSRI Farewell Ceremony work program – 2021
 7. HIMASISKO PSDM department staff – 2021
 8. Staff of the Events Division of the Himaja for Humanity work program – 2021

COMPETITION EXPERIENCES

During my lecture, I actively took part in competitions on national scale and also won several competitions such as UI/UX Design, Essays and Business Plans.



COMPETITION EXPERIENCES

In this UI/UX competition, I once made an application about waste management along with recycling features so that it can be resold.

This application focuses on the community with an understanding that is easy to understand and grateful for winning 1st place in the competition



COMPETITION EXPERIENCES

Also I create several business ideas to advance the development of SMEs in Indonesia



COMPETITION EXPERIENCES

This is a certificate that I got when I took part in an essay competition at several universities in Indonesia with some of the topics of the competition that I followed



OTHER COMPETITION ACHIEVEMENTS

1. 1st Winner of National Technology Euphoria UI/UX Design Competition by BEM FASILKOM UNSRI
2. 3rd Winner of National Technology Euphoria Business Plan Competition by BEM FASILKOM UNSRI
3. 3rd Place in the SIFEST National UI/UX Design Competition by HIMSI FASILKOM UNSRI
4. 2nd Winner of Renewable Technology Innovation and Idea Essay Competition in the era of society 5.0 by Himatekkom UPI Cibiru
5. Favorite Champion Redesign the WorxSpace UI UX application by Gamatechno
6. Top 10 National Essay Competition by DWF Palembang
7. Finalist of the Sharia Young Leader Summit National Essay Contest by BSI MASLAHAT
8. 1st Runner Up in National Essay Competition by RUM NATIONAL VIRTUAL COMPETITION UDAYANA UNIVERSITY
9. 2nd Runner Up in National Essay Competition by PENA MATRIX GANESHA EDUCATION UNIVERSITY
10. National Essay Competition Participants by KOMET UNIVERSITAS JAMBI
11. National Essay Competition Participants by YOGYAKARTA VETERAN NATIONAL DEVELOPMENT UNIVERSITY
12. National Essay Competition Participants by B - Preneurship JENDERAL SOEDIRMAN UNIVERSITY
13. National Essay Competition Participants by FORMASI FEB UNIVERSITAS TANJUNGPURA
14. National Essay Competition Participants by MillionCita National Essay Competition
15. National Essay Competition Participants by HIMAGRETO BOGOR AGRICULTURE INSTITUTE
16. National Essay Competition Participants by KAMABIGUS CUP SRIWIJAYA UNIVERSITY
17. National Essay Competition Participants by NINUFEST
18. National Essay Competition Participants Student Science Week (PIMPEL) by UNIVERSITY OF MUHAMMADIYAH SURAKARTA
19. FINALIST of the NATIONAL LOGIC VOL 2 2021 competition by PATERON INDONESIA
20. National Poster Design Competition Participants Contest by SRIWIJAYA UNIVERSITY POLYTECHNIC

Winning Space Race with Data Science

Muhammad Irfan Karim
20 April 2023

Executive Summary

- Summary of methodologies
 - Data Collection through API
 - Data Collection with Web Scraping
 - Data Wrangling
 - Exploratory Data Analysis with SQL
 - Exploratory Data Analysis with Data Visualization
 - Interactive Visual Analytics with Folium
 - Machine Learning Prediction
- Summary of all results
 - Exploratory Data Analysis result
 - Interactive analytics in screenshots
 - Predictive Analytics result

PROJECT EXPERIENCES

In my lectures I also took many courses on certain platforms and completed various projects about Data Science and Data Analyst

In this project, I analyzed what factors determine if the rocket will land successfully, the interaction among various features that determine the success rate of a successful landing and what operating conditions need to be in place to ensure a successful landing program.

PROJECT EXPERIENCES

Markers showing launch sites with color labels



Conclusions

We can conclude that:

- The larger the flight amount at a launch site, the greater the success rate at a launch site.
- Launch success rate started to increase in 2013 till 2020.
- Orbits ES-L1, GEO, HEO, SSO, VLEO had the most success rate.
- KSC LC-39A had the most successful launches of any sites.
- The Decision tree classifier is the best machine learning algorithm for this task.

[Check my project here : bit.ly/MyDataScienceCapstone](https://bit.ly/MyDataScienceCapstone)

PROJECT EXPERIENCES



STACK OVERFLOW DEVELOPER SURVEY 2019

Muhammad Irfan Karim

16 June 2023

[linkedin.com/in/muhammad-irfan-karim-/](https://www.linkedin.com/in/muhammad-irfan-karim-/)

- Stack Overflow's annual Developer Survey, a comprehensive and expansive survey of the global coding community.
- A representation of developers from various backgrounds, acknowledging the diversity within the community.
- An impressive sample size of nearly 90,000 developers.
- Utilizing trends to forecast the future directions of developers.
- In-depth characterization of developers worldwide.

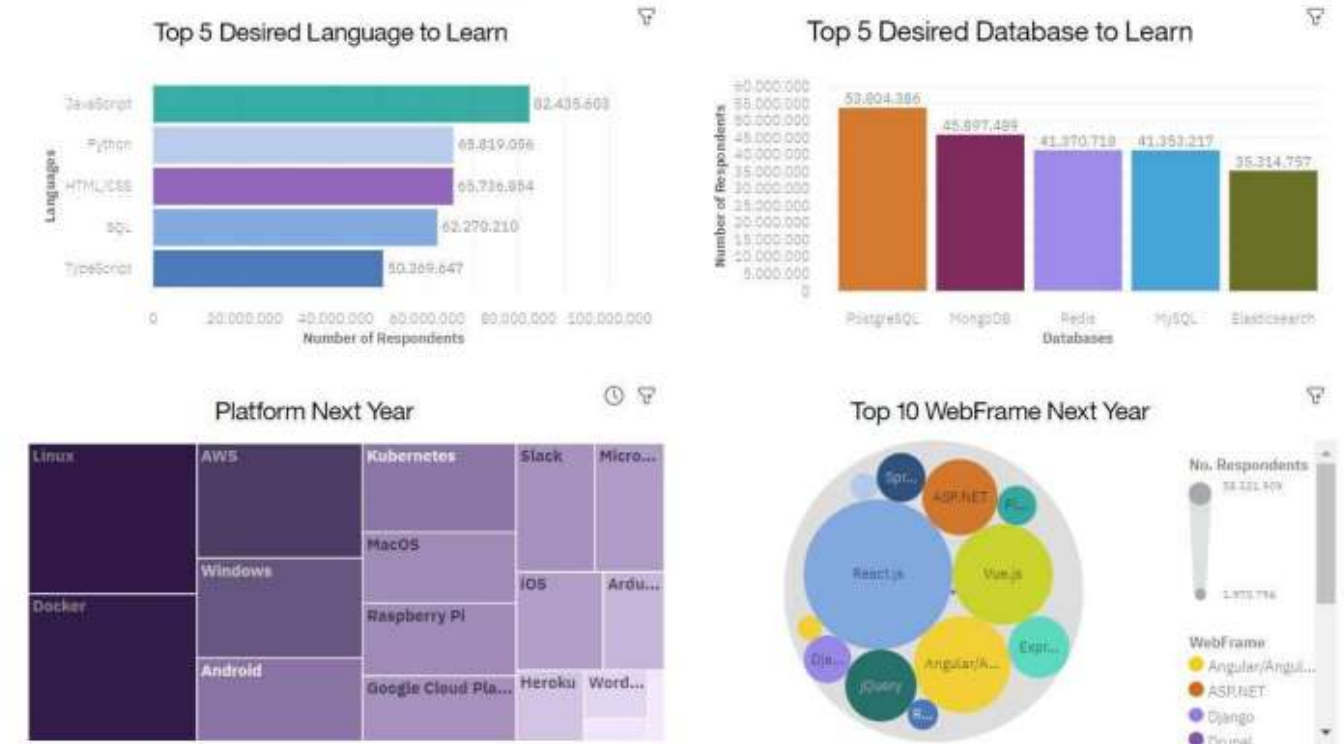
PROJECT EXPERIENCES

So in this project I have done :

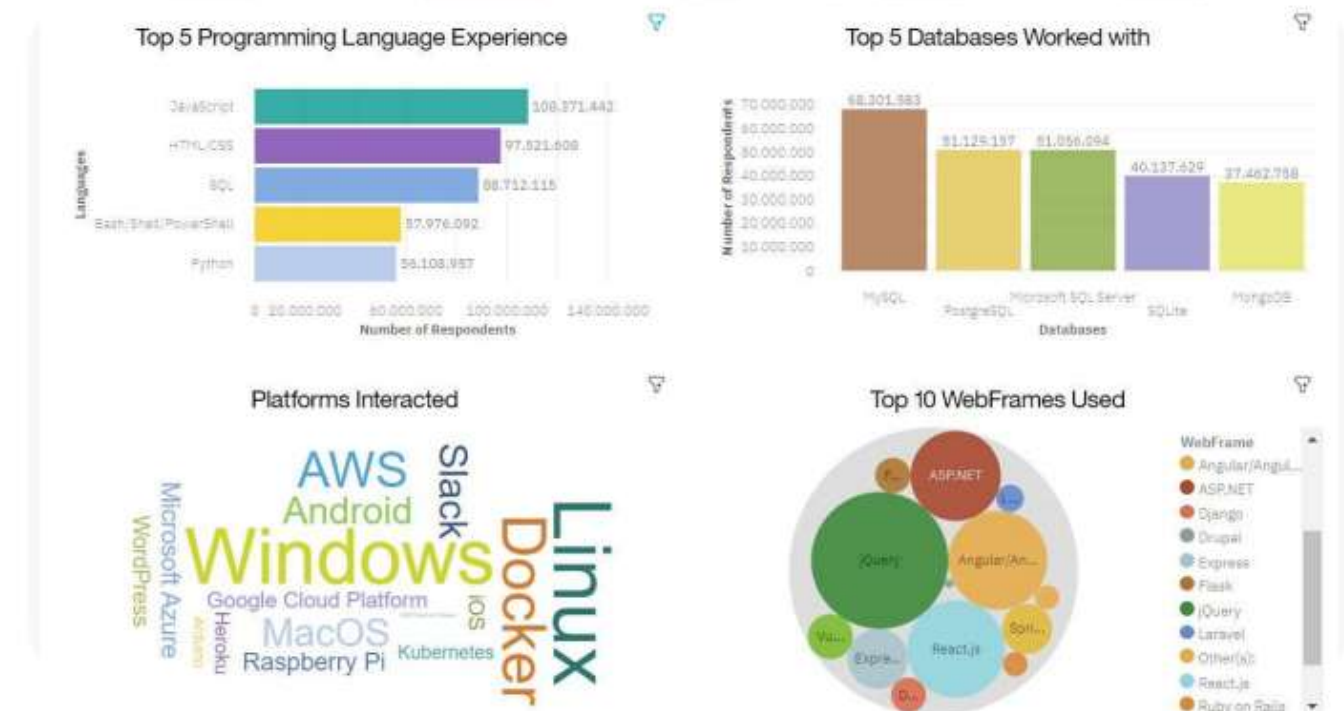
- Collecting survey data and exploring its rich content.
- Employing advanced techniques like web scraping, APIs, and the Request library.
- Applying data wrangling techniques to clean and refine the data.
- Conducting exploratory data analysis, including examining data distribution, handling outliers, and identifying correlations.
- Employing powerful data visualization techniques to highlight data distributions, relationships, and comparisons.
- Crafting interactive dashboards to provide a comprehensive and engaging data representation.

[Check my project here : bit.ly/DataAnalystCapstone](https://bit.ly/DataAnalystCapstone)

FUTURE TECHNOLOGY TREND



CURRENT TECHNOLOGY USAGE



OTHER PROJECT EXPERIENCES

See All My Project Here :
github.com/Muhammadirfankarim/MyPortofolio

01	Face Mask Detection using Convolutional Neural Network (CNN)
02	Fake News Prediction using Logistic Regression
03	Copy of Rock vs Mine Prediction using Logistic Regression
04	Diabetes Prediction using Support Vector Machine (SVM)
05	House Price Prediction with ANN
06	Car Price Prediction using Lasso and Linear Regression
07	Gold Price Prediction using Random Forest
08	House Sales in King Count USA using Linear Regression
09	Breast Cancer Classification using Machine Learning
10	Heart Disease Prediction using Logistic Regression

SCHOLARSHIP EXPERIENCES

Selected as Awardee of BSI Prestasi Scholarship after join the selection with 4.418 Registran. In this scholarship there are just 100 student pass to be a awardee in BSI Scholarship Batch 2021





SCHOLARSHIP EXPERIENCES

During my time as an awardee, I once ran a social project which aimed to provide lessons on Islamic economics and provide assistance in the form of groceries for children in orphanages.



3 Courses

Supervised Machine Learning: Regression and Classification
Advanced Learning Algorithms
Unsupervised Learning, Recommenders, Reinforcement Learning



May 1, 2023

Muhammad Irfan Karim

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!

Andrew Ng, Instructor,
DeepLearning.AI
Eddy Shyu, Curriculum Architect,
DeepLearning.AI
Aarti Bagul and Geoff Ladwig, Curriculum Engineers,
DeepLearning.AI


Verify this certificate at:
<https://coursera.org/verify/specialization/RTMVYDW4UQJ4>

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.



10 Courses

What is Data Science?
Tools for Data Science
Data Science Methodology
Python for Data Science, AI & Development
Python Project for Data Science
Databases and SQL for Data Science with Python
Data Analysis with Python
Data Visualization with Python
Machine Learning with Python
Applied Data Science Capstone



Apr 21, 2023

Muhammad Irfan Karim

has successfully completed the online, non-credit Professional Certificate


IBM Data Science

In this Professional Certificate, learners developed and honed hands-on skills in Data Science and Machine Learning. Learners started with an orientation of Data Science and its Methodology, became familiar and used a variety of data science tools, learned Python and SQL, performed Data Visualization and Analysis, and created Machine Learning models. In the process they completed several labs and assignments on the cloud including a Capstone Project at the end to apply and demonstrate their knowledge and skills.

Rav Ahuja
AI & Data Science Program Director
IBM Skills Network

Verify this certificate at:
<https://coursera.org/verify/professional-cert/MKJE8K3VGXH3>

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.



8 Courses

Foundations: Data, Data, Everywhere
Ask Questions to Make Data-Driven Decisions
Prepare Data for Exploration
Process Data from Dirty to Clean
Analyze Data to Answer Questions
Share Data Through the Art of Visualization
Data Analysis with R Programming
Google Data Analytics Capstone: Complete a Case Study



Feb 6, 2023

Muhammad Irfan Karim

has successfully completed the online, non-credit Professional Certificate

Google Data Analytics

Those who earn the Google Data Analytics Professional Certificate have completed eight courses, developed by Google, that include hands-on, practice-based assessments and are designed to prepare them for introductory-level roles in Data Analytics. They are competent in tools and platforms including spreadsheets, SQL, Tableau, and R. They know how to prepare, process, analyze, and share data for thoughtful action.

Verify this certificate at:
<https://coursera.org/verify/professional-cert/BLQ92WDEW0BY>

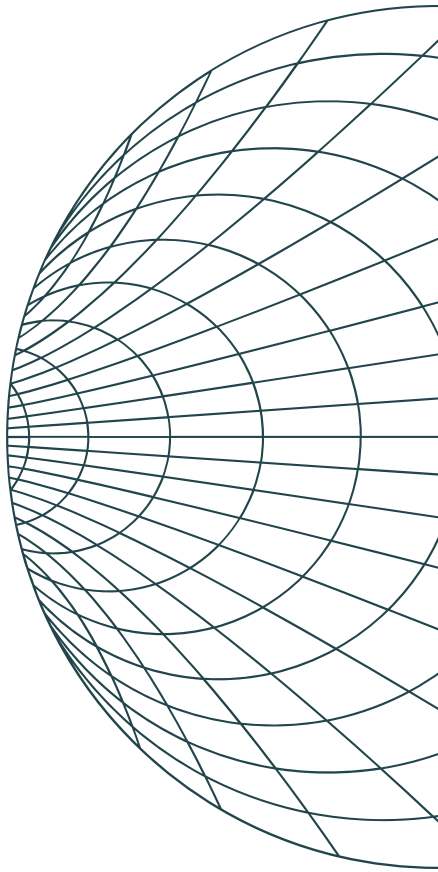
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CERTIFICATION

I like to explore and improve my skills by taking various courses and getting certifications, especially in data fields

OTHER CERTIFICATIONS

- DeepLearning.AI - Advance Learning Algorithms
- DeepLearning.AI - Supervised ML_Regression and Classification
- DeepLearning.AI - Unsupervised-Learning_Recommendations_Reinforcement-Learning
- Google - Analyze data to answer questions
- Google - Ask questions to make data driven decision
- Google - Data Analysis with R Programming
- Google - Foundations data
- Google - Prepare Data For Exploration
- Google - Process data from dirty to clean
- Google - Share data through the art of visualization
- IBM - Applied DS Capstone
- IBM - Data Analysis with Python
- IBM - Data Science Methodology
- IBM - DB and SQL for DS with Python
- IBM - Data Visualization with Python
- IBM - Machine Learning With Python
- IBM - Python for Data Science AI Development
- IBM - Python Project for Data Science
- IBM - Tools for Data Science
- IBM - What is data Science
- IBM - Introduction to Deep Learning & Neural Networks





LET'S GET IN TOUCH

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