



# **GLOBAL CERTIFICATE IN DATA SCIENCE AND ARTIFICIAL INTELLIGENCE®**

Online | 11 Terms

11 Months (**Regular**)

6 Months (**Fast track**)

# ABOUT INSAID

INSAID is India's first academic institution dedicated to research and education in Data Science and AI . INSAID's vision is to groom Data leaders of tomorrow.

INSAID is pioneering democratization of AI & Data Science by disseminating world class education targeted to make professionals into Data leaders of tomorrow.

The GCDAI program at INSAID is designed for working professionals like you who cannot leave their job to study full time.

The GCDAI program experience will transform you and equip you with the tools, training and

most important mindset required to cracking jobs and actually becoming a data leader of tomorrow.

As a proud alumnus of this program, you will not only have the tools & training required for a successful career in Data Science , Machine Learning & AI but more importantly you will have new perspective, confidence and thought process that will help you become a Data leader of tomorrow.

1<sup>st</sup>

India's 1st academic Institution dedicated to AI & Data Science research & education



INSAID's vision is to put India on global AI map



Democratize Data education

100K

INSAID's mission is to groom Data leaders of tomorrow

# WHY DATA SCIENCE & AI

From cancer research to online product recommendations, Data Science & AI today are not only driving billions of dollars in economic value but also solving those problems which we only imagined in science fiction.

Every company in every industry that you can think of- e-commerce, healthcare, airlines, oil & gas, BFSI, manufacturing ,telecom is looking at leveraging Data Science & AI to cut costs, automate things and build amazing products and services.

Today there are more jobs in Data Science and AI than the available talent. And this demand supply gap in talent is working in favor of professionals with

these in demand skills providing them more choices, faster career growth and higher salaries.

Today Data Scientists and AI experts are being hired not only by IT companies but by banks like ICICI, HDFC, by healthcare companies like Novartis, Pfizer, by e-commerce companies like Flipkart, Amazon. Basically every company and industry that wants to make smarter decisions using data.

## Data Science and AI requires a deep understanding of:



Mathematics



Computer science



Domain expertise



Data Processing



Machine Learning



Storytelling & Human psychology

## Data Scientists are recruited by



# BIG OPPORTUNITIES IN AI & DATA SCIENCE

Organizations are finding it hard to recruit Data Science and AI talent because Data Science and AI are not one thing rather it's an amalgamation of many areas- it's problem solving ability, machine learning, application of data analysis and ML techniques to drive business results. But more importantly it's a mindset of constantly learning new things and being curious!

GCDAl® program is a revolutionary program that focuses on developing you into a holistic data leader of tomorrow.

Our goal through the program is to equip you with concepts, context and exposure so that not only you have the tools and training but the exposure you require to become a Data leader of tomorrow.

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## Data Science and AI Industry: Key facts

1.4-1.9  
lakhs

Shortage of Data Scientists  
in US by 2019

2.7M

Number of Data Science  
& analytics job postings  
globally by 2020

85%

Customer Interactions  
will be managed  
without Humans by 2020

450%

Share of job  
requiring AI has  
increased since 2013

## 5 Reasons Why Artificial Intelligence Is The Next Big Thing



AI USES ITS OWN  
INTELLIGENCE



AI IMPROVES  
EFFICIENCY



AI IS QUICK  
AND VERSATILE



AI IMPROVES  
APPLICATION COST  
AND SECURITY



AI IS  
DYNAMIC

# WHY GLOBAL CERTIFICATE IN DATA SCIENCE AI

6 ways how GCDAI® program will catapult your career



## Global Certification

From India's 1st AI & Data Science academic institution



## Global Outlook

Get exposure to ML trends in India, US & Israel.



## Rigorous Curriculum

Start from basics and move to advanced topics with ease.



## World Class Faculty

Faculty from world's premier institution like ISB



## Career Support

Launch successful Data career with INSAID career center



## INSAID Vision Fund®

Launch your own ML startup with 15 cr INSAID Vision Fund®.

# PROGRAM SNAPSHOT

## GCDAI Regular

**TERM 01** | Data analysis basics with Python

**TERM 02** | Data visualization & EDA

**TERM 03** | Machine Learning Foundation

**Minor project**

**TERM 04** | Machine Learning Intermediate

**TERM 05** | ML Basics for AI (Recap)

**TERM 06** | Capstone Project (Data Science)

**TERM 07** | Tensorflow & Keras for AI

**TERM 08** | Deep learning foundation

**TERM 09** | Deep Learning for NLP-I

**TERM 10** | Computer Vision-I

**Specialisation**  
Deep Learning for NLP-II

**Specialisation**  
Computer vision-II

**AI Capstone project**

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**11** months  
Duration

**11**  
Terms

**1** month  
Duration per term

**220+**  
Lecture Hours

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# PROGRAM SNAPSHOT

## GCDAI Fast track

### Data Science

**TERM 01** | Data analysis basics with Python

**TERM 02** | Data visualization & EDA

**TERM 03** | Machine Learning Foundation

### Minor project

**TERM 04** | Machine Learning Intermediate

**TERM 05** | ML Basics for AI (Recap)

**TERM 06** | Capstone Project (Data Science)

### Artificial Intelligence

**TERM 01** | Tensorflow & Keras for AI

**TERM 02** | Deep learning foundation

**TERM 03** | Deep Learning for NLP-I

**TERM 04** | Computer Vision-I

**TERM 05** | Specialisation Deep Learning for NLP-II

Specialisation Computer vision-II

AI Capstone project

**6** months

Duration

**11**

Terms

**1** month

Duration per term

**220+**

Lecture Hours

9

Term Projects

2

Capstone Projects

10-15  
hours/week

Effort Required

3 lakh  
+ GST

Program Fee

## Turbo charge your career with INSAID



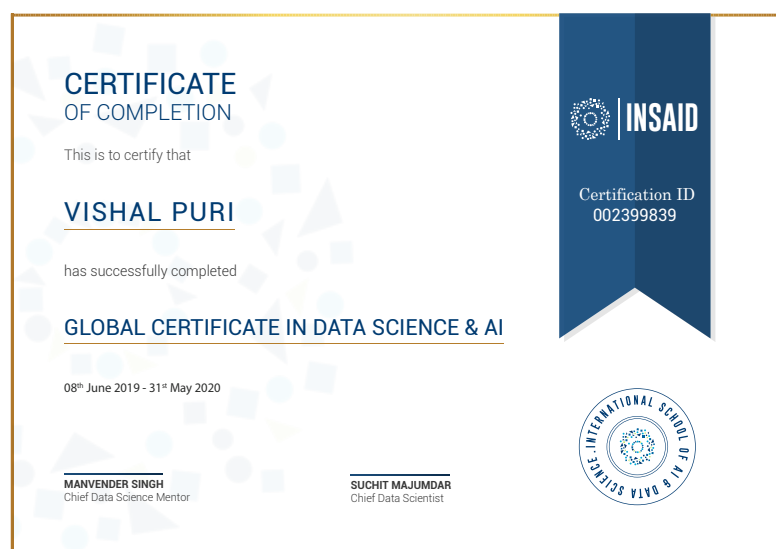
1 year access to  
INSAID Learning Center



1 year access to  
INSAID Career Center

## Catapult your Career with GCDAI Certificate

“GCDAI® program will make you a Data leader of tomorrow.”



- Suchit Majumdar  
Chief Data Scientist, INSAID



# INSIDE THE GCDAI PROGRAM'S PROJECT BASED LEARNING MODEL

INSAID's GCDAI Program helps you hit the ground running by making you work on real life projects. Each term has a term project and the program culminates with a GCP(Global Capstone Project) in which you build an end-to-end industry application.

## How GCDAI Program's Project Based Learning Model helps



Publish your portfolio online to attract potential employers.

Attract employers



Be productive on Day 1 of your Data Science job by working on end-to-end Data Science project during GCP.

Gain first hand exposure



Prepare for real world Data Science project presentations by presenting your projects in front of expert panel & peers every month.

Sharpen your presentation skills



Crack difficult Data Science projects as we pair you in a team & you collaborate on the project with your team members just like real world.

Real world team work

# INSAID SAMPLE REAL WORLD PROJECTS



## Indian Premier League 2008-2018

Analyse key success factors for top cricket team at IPL

The matches dataset contains 18 variables and 600+ observations. The deliveries dataset contains 21 variables and 160k+ observations of the IPL 2018 season.



## Credit Card Fraud Detection

Identify the fraudulent credit card transactions.

The dataset contains 31 variables and 285k observations of transactions made by credit cards in September 2013 by european cardholders.



## Gender recognition by voice

Identify a voice as male or female(SVM)

The dataset contains 21 variables and 3k+ observations to identify a voice as male or female using acoustic properties of voice and speech.



## Apriori Algorithm(Market Basket Analysis)

Market Basket Analysis of e-commerce data of transaction of 2010 and 2011

The dataset contains 8 variables and 542k observations of all the transaction of 2010 and 2011 for a UK based and registered non-store online retail.



## What caused International crisis

Identify all factors which caused major international crisis events in the last 100 years

The dataset contains 96 Variables and over 1000 observations



## Build Chatbot using slack Class

Develop a chatbot to simulate a human as a conversational partner

This chatbot allows us translate user submitted conversations from English to Hindi



### NYC

Analyse flight

The dataset contains flight data from NY



### Europe

Analyse key

The dataset contains 400 observations from years 20



### Wine

Analyse factors

The dataset contains 4000 observations



### Automobile pricing data

Analyse factors affecting automobile pricing



# INSAID CAREER CENTER

YOUR HOME TO LAUNCHING A SUCCESSFUL  
DATA SCIENCE, MACHINE LEARNING CAREER

**INSAID Career center helps you chart your career trajectory,  
and get your dream job.**

## INSAID Career Center



### Get Monthly Career guidance

Get in-depth advice on salaries, roles & job trends through monthly career Q&A.



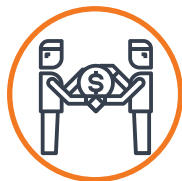
### Become Industry Ready

Attend industry immersion workshops to solve real industry problems.



### Become Global Data leader

Interacting with global leaders in Data Science, ML and AI.



### Launch Your AI/ML Startup

Get upto INR 20 Lakhs in funding to launch your next AI/ML startup.

**Crack Data Science & Machine Learning roles with INSAID CATAPULT®**



Data Science and AI  
ResumeToolkit



Data Science and AI  
Interview Toolkit



Data Science and AI  
Expert Advice



Data Science and AI  
Mindbenders

# OUR STUDENTS COME FROM



Kali Pandey  
Wipro Bangalore

“ In-class interaction with our faculty Suchit Majumdar, (Chief Data Scientist, INSAID) was amazing. ”



Siboli Mukherjee  
Vodafone Cellular  
Services

“ INSAID gives exposure to industry-led projects and practical applications.. ”



# PROGRAM VITALS

## Program Start

- First week of every month

## Duration

- 11 months - Regular
- 06 months - Fast track

## Prerequisite

- Background in Programming
- Laptop with 4 GB RAM

## Program Fee

- INR 3 Lakh + GST

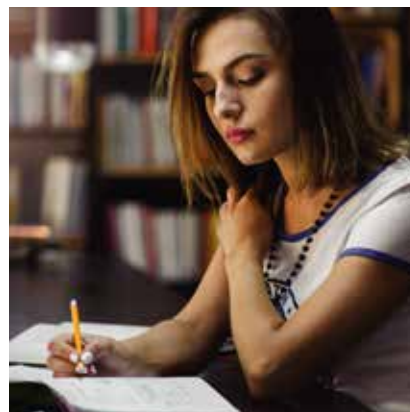
## How to Apply

Start your Application Now  
Visit our website : [www.insaid.co](http://www.insaid.co)

## Scholarships

Upto 70% tuition waiver funded by INSAID Vision Fund®. Know more about scholarships visit our website [www.insaid.co](http://www.insaid.co)

*For Further details, write to us [admissions@insaid.co](mailto:admissions@insaid.co)*







# CONTACT US

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