

International School
of Data Science & AI



PGP in Data Science & AI

12 + 3 Months | Online Instructor Led

When I started in the field of Data Science & AI around 2015, Data Science & AI were becoming mainstream trends & I was excited about pioneering this revolution in India.

More than half a decade later and having groomed thousands of professionals like you into successful Data professionals & Data leaders, I'm humbled that my vision of transforming India into AI & Data Science superpower is coming to reality!

"Data is the new Oil" is now the buzzword across industries & organizations are now looking for bright professionals like you who can harness the true potential of data. Thousands of exciting jobs- that of Data Scientists, Data analysts, Data Science managers, AI experts, AI engineers- are getting created every month and talented professionals like you are needed to fill these opportunities.

INSAID's mission is to groom Data leaders of tomorrow and as you start your Data Science & AI journey at INSAID, you will learn not only tools & techniques to enter these roles but the mindset required to succeed in Data Science roles ahead.

Welcome to an exciting journey in
Data Science & AI!

Manvender Singh (Manav)

CEO & Chief Data Science Mentor, INSAID
MBA, Indian School of Business



Why PGP in Data Science & AI



MASTER

Data Science, Machine Learning & AI



Fellowship

3 months in AI



4000

Alumni Network



70%

Scholarships



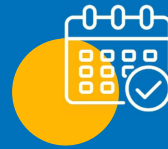
Suchit Majumdar

Chief Data Scientist, INSAID
MBA, Indian School of Business

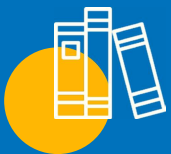
Program Highlights



LIVE
Instructor led Training



12 Months
Weekend Classes



100+
Projects & Guides



Placements
100% Career Assistance

Master 15+ Data Science Tools...



Term 1: Data Analysis with Python

- Data Science Fundamentals
- Data Operations with Numpy
- Data Manipulation with Pandas

Term 2: Data Visualization Techniques

- Introduction to Data Visualization
- Data Visualization using Matplotlib
- Hands-on Pandas for Rapid Visualization
- Seaborn for Data Visualization

Term 3: EDA & Data Storytelling

- Introduction to Exploratory Data Analysis
- EDA Framework Deep Dive
- Scientific Exploration of Industry Data (Case Study)
- Student Presentations & Insight Delivery

Term 4: Machine Learning Foundation

- Introduction to Machine Learning
- Linear Regression
- Logistic Regression
- Model Evaluation Techniques

Term 5: Machine Learning Intermediate

- Decision Trees
- Random Forests
- Dimensionality Reduction using PCA
- Naive Bayes Classifier

Term 6: Machine Learning Advanced (Mandatory)

- KNN (K-Nearest neighbors)
- K-means Clustering
- Ensemble Learning
- Optimization

Term 6: Data Visualization with Tableau (Elective - I)

- Introduction to Data Visualization with Tableau
- Exploring Tableau Interface
- Tableau Calculations & Dashboard
- Mapping using Tableau & Tableau Analytics

Term 6: Data Analytics with R (Elective - II)

- Introduction to Programming in R
- Data Manipulation with dplyr
- Data Visualization using ggplot & esquisse

Capstone Project

Experience a real world simulation of a company problem that needs to be solved using Data Science and Machine Learning. Work with a team of Data Scientists who are working towards solving issues for a company in trouble.

Term 7: Basics of AI, Tensorflow & Keras

- Introduction to Artificial Intelligence
- Applications of Artificial Intelligence
- Introduction to TensorFlow and Keras
- Math behind AI: Simplified

Term 8: Deep Learning Foundation

- Introduction to Deep Learning
- Activation Function and Learning Rate
- Role of Optimizers in Deep Learning Models
- Deep Learning Model Practicals

Term 9: Computer Vision - I

- Introduction to Convolution Neural Networks
- Decoding Image Components
- Identifying MNIST using CNN
- Preprocessing Image Data to apply CNN

Term 10: Natural Language Processing - I

Introduction to NLP & Word Vectors

Decoding a Textual Data

NLP using Recurrent Neural Networks (RNN)

NLP using Memory Alterations

AI Capstone Project

In this ever evolving world, solving complex problems get easier using AI. In this capstone project you will be an AI expert who is helping a hypothetical company resolve some major challenges it faces by using AI. Get a chance to work with a team of AI specialists and a simulated environment to help you relate to real world challenges companies face regularly.

Term 11: Computer Vision - II (Specialization)

Transfer Learning

Object Detection using CNN based Algorithms - I

Object Detection using CNN based Algorithms - II

Teaching Machines to Mimic Real-World (Generative Models)

Term 12: Natural Language Processing - II (Specialization)

Teach Machines to Generate New Textual Data (Language Modeling)

Keras Functional API and Intro to Sequence to Sequence Model

Language Translation - English to Spanish using Seq2Seq Models

Building a Chatbot

Fellowship - 3 Months



CV - III & NLP - III

Techniques to Enhance Seq2Seq Models (Attention Mechanism)

NLP using CNN

Advanced NLP using BERT

Instance Segmentation in Images

AutoVision & AutoNLP

Introduction to Automated Vision and NLP Solutions

Building Blocks of AutoVision

Building Blocks of AutoNLPy

Putting AutoVision and AutoNLP to Use

Building AI Solution

Experience a real world simulation of a company problem that needs to be solved using Artificial Intelligence. Work with a team of Data Scientists who are working towards solving issues for a company.

Use techniques learned such as,

1. Ingestion of Data
2. Data Pre-processing
3. Model Building on the cloud
4. Model Tuning and Evaluation
5. Building an entire application to combine all the previous steps
6. Deploying the model to a GCP server

Why INSAID



“INSAID proved to be the right platform to bridge all gaps and helped me achieve my main goal, which was to work as a Data Scientist.”

- Rahul Sinha, Data Analytics Manager, METRO

Learn from Top Academicians



Suchit Majumdar
Sr. Faculty, INSAID



Deepesh Wadhwani
Sr. Faculty, INSAID



Lavi Nigam
Sr. Faculty, INSAID



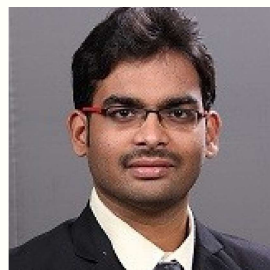
Subhodeep Dey
Sr. Faculty, INSAID



Neelmani Gupta
Sr. Faculty, INSAID



Amit Goyal
Sr. Faculty, INSAID



Sai Charan Tej K
Sr. Faculty, INSAID



Dr. Darshan Ingle
Sr. Faculty, INSAID



DATA SCIENCE CAREER LAUNCHPAD

1 month exclusive program for working professionals.



RESUME WORKSHOP

We'll help you build a sharp Data Science Resume.



INDUSTRY EXPERT SESSIONS

Get access to monthly industry expert sessions.



LIVE JOB ANALYSIS

Apply to the right companies based on your profile.



INTERVIEW GUIDES

Download Data Science, ML & AI interview question bank.



MOCK INTERVIEWS

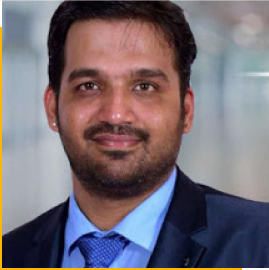
Participate in 1-on-1 mock interviews and be more prepared.



HIRING PARTNERS

Get better opportunities by applying to the right companies.

Success Stories



I would like to thank INSAID team for helping me develop discipline needed to become a Data Scientist.

- Anirudh Acharya, Data Scientist, DXC Technology



I would like to thank INSAID for wonderful support and beautiful journey. Learnt a lot and intend to use the same in my work.

- Sohamjeet Ganguly, Data Scientist, TCS



INSAID helps you through real-world applications of Data Science in your actual business or work.

- Foram Salva, Data Scientist, MYGLAMM



I found INSAID as the best when compared to other online programs. INSAID's curriculum is way ahead of other institutes.

- Siboli Mukherjee, Data Analyst, Vodafone Idea

Program Snapshot

START DATE

Check website for latest batch start dates

DURATION

12 + 3 = 15 Months

PROGRAM TERMS

12 + 3 AI Fellowship Terms

WEEKLY SCHEDULE

Online classes on weekends

Self practice/assignments on weekdays

PROGRAM FEE

INR 5,00,000 + GST

SCHOLARSHIPS

Upto 70% scholarships available.

& EMI

EMIs starting INR 14,750 / month

Speak with PGP DS&AI Mentor

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