

# DataMites

## ARTIFICIAL INTELLIGENCE EXPERT PROGRAM BROCHURE

Accredited by



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# ABOUT DATAMITES®

DATAMITES® IS DATA SCIENCE AND ARTIFICIAL INTELLIGENCE INSTITUTE WITH A GLOBAL FOOTPRINT OF TRAINING MORE THAN 15,000 LEARNERS INCLUDING STUDENTS, WORKING PROFESSIONALS AND SENIOR EXECUTIVES.

ACCREDITED WITH IABAC, DATAMITES PROGRAM SYLLABUSES ARE ALIGNED WITH GLOBAL INDUSTRY BEST PRACTICES IN THE FIELD OF DATA SCIENCE AND ARTIFICIAL INTELLIGENCE. DATAMITES® GOAL IS TO PROVIDE HIGH QUALITY, GLOBALLY ACCREDITED, INDUSTRY-ALIGNED PROGRAMS IN THE FIELD DATA SCIENCE AND AI TO WORKING PROFESSIONALS AND BEGINNERS AT AFFORDABLE PRICES.

## GLOBAL RECOGNITION

### IABAC® CERTIFICATION

INDUSTRY CERTIFICATION & IABAC® - GLOBAL ANALYTICS  
BOARD CERTIFICATION BASED ON EU GOVT FRAMEWORK BASED

### EXPERT TRAINERS

#### PH.Ds and Industry Experts

ELITE FACULTY FROM PRESTIGIOUS UNIVERSITIES WITH DEEP RESEARCH AND COACHING EXPERTISE

### COMPREHENSIVE

#### 6-Month & 120 Hours Live

SYLLABUS ALIGNED WITH IABAC STANDARDS AND INCLUDES STATE-OF-ART ARTIFICIAL INTELLIGENCE TECHNIQUES

### JOB ASSISTANCE

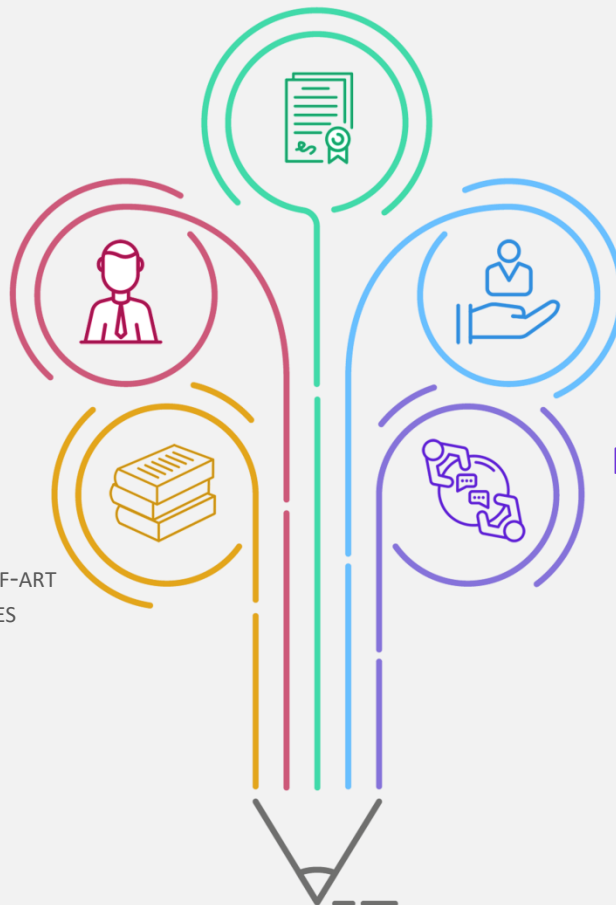
#### End to End job Support

PERSONALIZED RESUME AND INTERVIEW PREPARATION SUPPORT  
JOB UPDATES AND CONNECTS

### REALTIME EXPERIENCE

#### Projects and Internships

10 CAPSTONE PROJECTS AND 1 CLIENT PROJECTS WITH ACTIVE INTERACTION  
INTERNSHIP - DEVELOPING POCS



## WHY DATAMITES ?

# PROGRAM STRUCTURE

## 3-PHASE LEARNING STRUCTURE

THE MOST COMPREHENSIVE, HANDS-ON, INDUSTRY-ALIGNED DEEP LEARNING COURSE WITH IABAC® (EU GOVT-BASED FRAMEWORK) GLOBALLY VALID CERTIFICATION

- ✓ 6-MONTH PROGRAM
- ✓ 200-HOUR LIVE ONLINE TRAINING
- ✓ 400 LEARNING HOURS
- ✓ 10 CAPSTONE PROJECTS
- ✓ 1 CLIENT PROJECT
- ✓ MODEL DEPLOYMENT IN CLOUD
- ✓ INTERNSHIP DEVELOPING PROOF OF CONCEPTS



- PREPARATORY SELF-STUDY
- HIGH QUALITY VIDEOS WITH EASY LEARNING APPROACH.
- 2-3 HRS A DAY FOR 10 DAYS
- COMPREHENSIVE SYLLABUS
- HANDS-ON CAPSTONE PROJECTS
- EXPERT TRAINERS AND MENTORS

- 2-MONTH PROJECT MENTORING/ INTERNSHIP
- 10 CAPSTONE PROJECTS
- 1 LIVE CLIENT PROJECTS
- EXPERIENCE CERTIFICATE

### AWARDS & ACHIEVEMENTS

- IABAC GLOBAL CERTIFICATE
- DATAMITES COURSE COMPLETION CERTIFICATE
- INTERNSHIP EXPERIENCE CERTIFICATE
- SKILLS GAINED TO DELIVER REAL-WORLD PROJECTS IN ARTIFICIAL INTELLIGENCE

# ACCREDITATIONS & CERTIFICATES

This program includes dual global certifications by **IABAC®** based on European union commission-based framework

**ACCREDITED TRAINING  
PROVIDER BY**



DataMites® is a gold partner with IABAC and provides global IABAC certifications as a part of this program



Certificate Sample issued by IABAC®



# LEARNING PATH

CERTIFIED ARTIFICIAL INTELLIGENCE EXPERT



4-MONTHS  
AI  
INTERNSHIP

## WEEK 8-9

**COURSE 10:** REINFORCEMENT LEARNING  
**COURSE 11:** IMPLEMENTING DEEP REINFORCEMENT LEARNING

## WEEK 10

**COURSE 12:** GENERATIVE ADVERSARIAL NETWORK  
**COURSE 13:** DEPLOYING AI MODELS IN CLOUD

## WEEK 6

**COURSE 7:** DEEP COMPUTER VISION - CNN

## WEEK 7

**COURSE 8:** RECURRENT NEURAL NETWORK (RNN)  
**COURSE 9:** NLP WITH RNNs IN TF 2.X

## WEEK 3

**COURSE 1:** AI FOUNDATION  
**COURSE 2:** MACHINE LEARNING FOUNDATION

## WEEK 5

**COURSE 5:** UNDERSTANDING NEURAL NETWORKS  
**COURSE 6:** IMPLEMENTING DEEP NEURAL NETWORKS

## WEEK 4

**COURSE 3:** TENSORFLOW 2.X PLATFORM  
**COURSE 4:** CORE LEARNING ALGORITHMS

## WEEK 1 - 2

PRE-COURSE PREPARATION (SELF-STUDY)

# CURRICULUM TOPICS

COMPREHENSIVE CURRICULUM AS PER IABAC® GUIDELINES

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## **COURSE 1: ARTIFICIAL INTELLIGENCE FOUNDATION**

INTRODUCTION TO ARTIFICIAL INTELLIGENCE (AI), AI DATA STRATEGY, AI ETHICS, ISSUES AND CONCERNS, AI CHALLENGES, USECASES AND ADAPTION

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## **COURSE 2: TENSORFLOW 2.X PLATFORM**

DATA SCIENCE AND ML INTRODUCTION, MATHEMATICS FOR ML, LEARNING METHODS, POPULAR ML ALGORITHMS, BUILDING CLASSIFICATION MODELS, BUILDING REGRESSION MODELS, BEYOND MACHINE LEARNING

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## **COURSE 3: NEURAL NETWORKS**

STRUCTURE OF NEURAL NETWORKS, NEURAL NETWORK - CORE CONCEPTS, FEED FORWARD ALGORITHM, BACKPROPAGATION, BUILDING NEURAL NETWORK FROM SCRATCH USING NUMPY

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## **COURSE 4: IMPLEMENTING DEEP NEURAL NETWORKS**

INTRODUCTION TO NEURAL NETWORKS WITH TF2.X, SIMPLE DEEP LEARNING MODEL IN KERAS (TF2.X), BUILDING NEURAL NETWORK MODEL IN TF 2.0 FOR MNIST DATASET

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## **COURSE 5: DEEP COMPUTER VISION - CONVOLUTIONAL NEURAL NETWORKS**

CONVOLUTIONAL NEURAL NETWORKS (CNNs) INTRODUCTION, CNNs WITH KERAS, TRANSFER LEARNING IN CNN, STYLE TRANSFER, FLOWERS DATASET WITH TF2.X, EXAMINING X-RAY WITH CNN MODEL

**DOWNLOAD**  
DETAILED SYLLABUS



# CURRICULUM TOPICS

COMPREHENSIVE CURRICULUM AS PER IABAC® GUIDELINES

## **COURSE 6: RECURRENT NEURAL NETWORK**

RNN INTRODUCTION, SEQUENCES WITH RNNs, LONG SHORT-TERM MEMORY NETWORKS (LSTM RNNs) AND GRU, EXAMPLES OF RNN APPLICATIONS

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## **COURSE 7: NATURAL LANGUAGE PROCESSING**

NATURAL LANGUAGE PROCESSING INTRODUCTION, NLP WITH RNNs, CREATING MODEL, TRANSFORMERS AND BERT, STATE OF ART NLP AND PROJECTS

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## **COURSE 8: REINFORCEMENT LEARNING**

MARKOV DECISION PROCESS, FUNDAMENTAL EQUATIONS IN RL, MODEL BASED METHOD, DYNAMIC PROGRAMMING MODEL FREE METHODS

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## **COURSE 9: GENERATIVE ADVERSARIAL NETWORK (GAN)**

GAN INTRODUCTION, CORE CONCEPTS OF GAN, BUILDING GAN MODEL WITH TENSORFLOW 2.X, GAN APPLICATIONS

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## **COURSE 10: DEPLOYING DEEP LEARNING MODELS IN THE CLOUD (AWS)**

AMAZON WEB SERVICES (AWS) , DEPLOYING DEEP LEARNING MODELS USING AWS SAGEMAKER

**DOWNLOAD**  
DETAILED SYLLABUS



# ELITE FACULTY

## TOP FACULTIES OF THE PROGRAM

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### ASHOK VEDA | LEAD PROGRAM FACULTY

Globally reputed **AI Expert** and **Data Scientist**. **PH.D** scholar in AI. **CEO** at RUBIXE. MBA from **IIM** Ahmedabad and University of Amsterdam. 17 years experience in Analytics, Data Science and Artificial Intelligence

<https://www.linkedin.com/in/ashokveda/>



### DR. NANDISH MANANGI | PROGRAM FACULTY

PH.D in Analytics and MBA from Swiss Business School. 10 years industry experience and Consulting Professor at Allianz University **Senior Data Scientist** with Tata Consultancy Services past 12 years.

<https://www.linkedin.com/in/dr-nandish-manangi-1978964/>



### ROEL VAN DER VEN | STATISTICS AND ANALYTICS FACULTY

Globally reputed coach and trainer in Analytics, Lean methodologies with 15 years of Industry experience.

Masters in Organizational studies from Tilburg University, Netherlands.

<https://www.linkedin.com/in/roelvanderven/>



### Deepa Dhevannan | PROGRAM FACULTY

Data Scientist with Rubixe. Professor at kongu engineering college. Established Data Science & Python trainer, trained more than 5000 students and mentored in their career transition.

<https://www.linkedin.com/in/deepa-dhevannan-66a56834/>



### Hemanth Kumar | MACHINE LEARNING FACULTY

Data Scientist with Rubixe and Machine learning expert. Established Data Science coach, trained more than 3000 data science aspirants and mentored in their career transition.

<https://www.linkedin.com/in/hemanthkumar12/>



### Suhail Gulzar | Artificial Intelligence FACULTY

Data Scientist with Rubixe and Artificial Intelligence expert. Established Artificial Intelligence trainer, trained more than 2500 AI aspirants, and mentored in their career transition.

<https://www.linkedin.com/in/gulzarsuhail>



# INDUSTRY PROJECTS

SELECTED PROJECTS WITH ML PREDICTIVE MODEL



## GAN – GENERATING FACES

Project to generate models for marketing banners



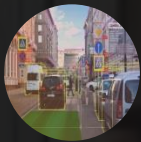
## RL AGENT – HIDE AND SEEK

OpenAI Gym project for creating agents hide and seek



## AI GAME - SNAKE GAME

AI playing snake game with reinforcement learning – Q learning



## OBJECT RECOGNITION

Object recognition with Deep Learning CNN models



## DETECT ANOMALIES IN CHEST X-RAY

CNN Deep learning model for finding anomalies in CHEST X-ray



## HAND GESTURE RECOGNITION

Hand gesture recognition modeling from scratch with TensorFlow 2.x



## SENTIMENT ANALYSIS - TWITTER

Analyzing live tweets for positive/negative sentiment



## COMPUTER VISION CNN PROJECT

Cat or Dog Image Classification with TensorFlow Keras



## SPEECH RECOGNITION

Deep Learning model for speech recognition

Many more projects...

DATA MITES®, IN PARTNERSHIP WITH AI COMPANIES, PROVIDES AN OPPORTUNITY TO WORK WITH CLIENT PROJECTS TO GAIN FIRST-HAND EXPERIENCE IN DELIVERING REAL-WORLD DATA SCIENCE PROJECT

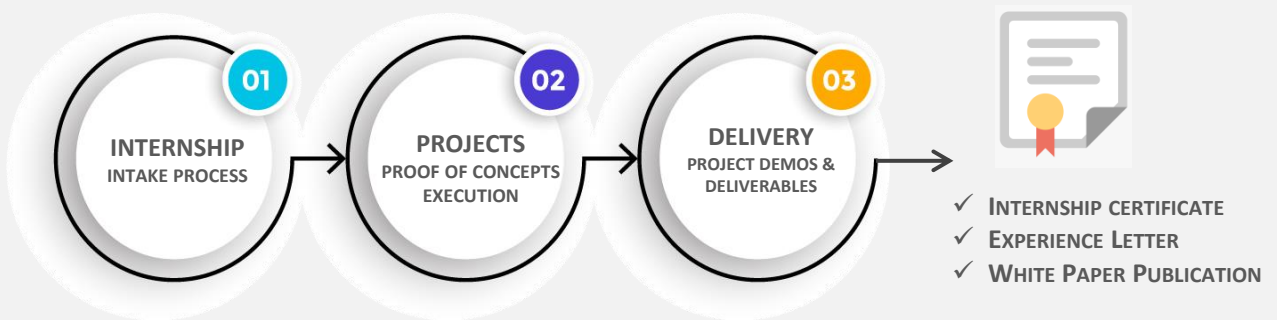
# INTERNSHIP

## REAL-WORLD EXPERIENCE IN IMPLEMENTING AI PROJECTS

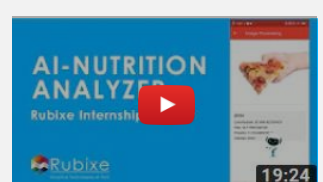
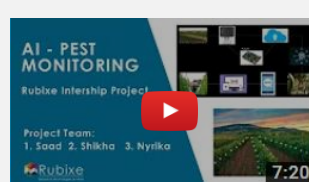
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DATAMITES HAS EXCLUSIVE PARTNERSHIP WITH LEADING AI COMPANIES IN BANGALORE PROVIDING INTERNSHIP FOR DATAMITES LEARNERS.

THESE INTERNSHIPS PROVIDE A GREAT OPPORTUNITY FOR THE LEARNERS TO APPLY THE KNOWLEDGE GAINED IN DEVELOPING REAL-WORLD DATA SCIENCE MODEL THAT ADDS VALUE TO THE BUSINESSES WITH THE HELP OF DEDICATED TEAM OF DATAMITES EXPERTS AND MENTORS.



### SELECTED FEW INTERNSHIP PROJECTS FROM PREVIOUS BATCHES



[internship@datamites.com](mailto:internship@datamites.com)



# JOB ASSISTANCE

## END TO END SUPPORT IN JOB ASSISTANCE

DEDICATED PLACEMENT ASSISTANCE TEAM (PAT) PROVIDES END TO END ASSISTANCE IN KEY AREAS TO PROVIDE SMOOTH TRANSITION TO ARTIFICIAL INTELLIGENCE CAREER.

MENTORS CONDUCT DOUBTS AND LIVE REVISION SESSIONS TWICE A WEEK, ALONG WITH REGULAR PAT ACTIVITIES OF JOB UPDATES, MOCK INTERVIEWS, RESUME PREPARATION, GUIDANCE ON INTERVIEW PREPARATION



[pat@datamites.com](mailto:pat@datamites.com)

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# OUR LEARNERS' SAY

HIGHEST LEVEL OF CUSTOMER DELIGHT

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**Adarsh Kumar Pathak**

1 review

★★★★★ 6 days ago -

Great institute for learning Data Science course and they told us that how we build a career in data science and after completing the course they will help us to resolve our query in future also..... Thanks datamites team....



**manish sachan**

2 reviews

★★★★★ 3 months ago -

A very good institute to learn Data Science. Course content is very intelligently built , you go from very basic to pro in no time and quite smoothly.  
Staff is very helpful in every way possible.  
Had a great time learning.



**Amar**

2 reviews

★★★★★ 2 weeks ago

**Positive:** Communication, Professionalism, Quality, Value

I chose Datamites after carefully checking the background and reviews. They have proved that my choice was perfect. The learning curve is steep but will get into the flow with enough effort. All Thanx to Ashok sir, Sagar sir and my relationship manager.



**ASHA DAS**

4 reviews

★★★★★ 2 days ago

**Positive:** Communication, Professionalism, Quality, Value

You could definitely go for datamites if you prefer studying data science. Good level of teaching & query responses.



**Nazar Amin**

3 reviews

★★★★★ 2 months ago -

Datamites is really greate place to take data science courses, very professional instructors, extremely high support from coordinators.

I'm really impressed by Certified Data Scientist course I took it there, they continued to support me until I got Certified from IABAC.

I'm planning to take more courses in near future.



**navin krishn**

4 reviews

★★★★★ 2 weeks ago

I think Datamites is one of the best place for studying datascience. Ashok sir is great man i have ever met. His mentoring is such a beautiful thing. So be with datamites is feeling great to me.

[More Reviews >>](#)



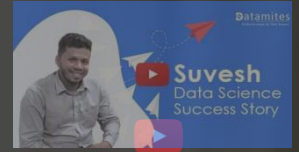
# CAREER SUCCESS STORIES

SELECTED FEW FROM HUNDREDS OF SUCCESS STORIES

## Suvesh Success Story : 3 Data Science Job Offers

<https://datamites.com/blog/mr-suvesh-success-story-who-got-3-job-opportunities-in-data-science/>

A Software Engineer turned Data Scientist. He received data science job offers from **Goldman Sachs, Mindtree and Barracuda** at a shot. currently placed in Mindtree, shares his journey with DataMites, the process and the experiences leading to success



<https://youtu.be/2BeT6tSZQk8>



<https://www.linkedin.com/in/suvesh-pattnaik-035409101/>

## Prashanth Success Story: Main Frame to Data Science

<https://datamites.com/blog/mr-prashanth-data-science-success-story/>

Working in **mainframe technologies** for years, Prasanth wanted to move to promising domains and choose Data Science. He completed CDS course with DataMites and transitioned to Data Science in short time frame. He shared his his journey with DataMites in the video.



<https://youtu.be/i6xUzkaNgpA>



<https://www.linkedin.com/in/prashanth-velicharla-a6004761>

## Dr. Beena Success Story : Professor to Data Scientist

<https://datamites.com/blog/dr-beena-data-science-success-story/>

Being in academics for near to 20 years, I thought it is not easy to switch to corporate career. Thanks to Ashok Veda and DataMites, I have successfully transitioned as Data scientist with **Wells Fargo** in Bangalore with 300% salary hike. It wouldn't have been possible without DataMites.



<https://youtu.be/2BeT6tSZQk8>



<https://www.linkedin.com/in/dr-beena-b-m-a5931220/>

## Shreyas Success Story : Software to AI engineer at Western Digital

Started his career as software engineer, Shreyas quickly recognized the potential of Machine Learning and AI. I choose DataMites for Machine Learning Training and made a switch in months in year 2017, when opportunities are just budding. He is now 4+ years experience AI engineer.



<https://www.linkedin.com/in/shreyas-sd-b9b76348/>

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# ADMISSIONS AND CONTACTS

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COURSE NAME : CERTIFIED ARTIFICIAL INTELLIGENCE EXPERT  
DURATION : 4 MONTHS  
LEARNING MODE : LIVE ONLINE TRAINING

[admissions@datamites.com](mailto:admissions@datamites.com)

INDIA : +91 1800-313-3434

US : +1 628 228 6062

UK : +44 752 066 5626

**PROGRAM FEE & SCHEDULE**

<http://datamites.net/ai-expert>

\*[Check current offers and scholarships](#)



8 HRS/WEEK

SELF LEARNING



8 HRS/WEEK

INSTRUCTOR LED ONLINE LEARNING



4 HRS/WEEK

PROJECTS & ASSESSMENTS

**20 HOURS A WEEK COMMITMENT**



**DATA SCIENCE IS RATED AS THE TOP CAREER**  
HIGHEST PAID – RECESSION PROOF – MILLIONS OF JOBS



DataMites provides the most comprehensive and industry-aligned Data Science Program

**15,000+** LEARNERS

**55%** AVG SALARY HIKE

**50+** ELITE TRAINERS

**₹ 75** LAKHS TOP SALARY

**ENQUIRE NOW**

TAKE FIRST STEP TOWARDS DATA SCIENCE CAREER