



CERTIFIED DATA SCIENTIST

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

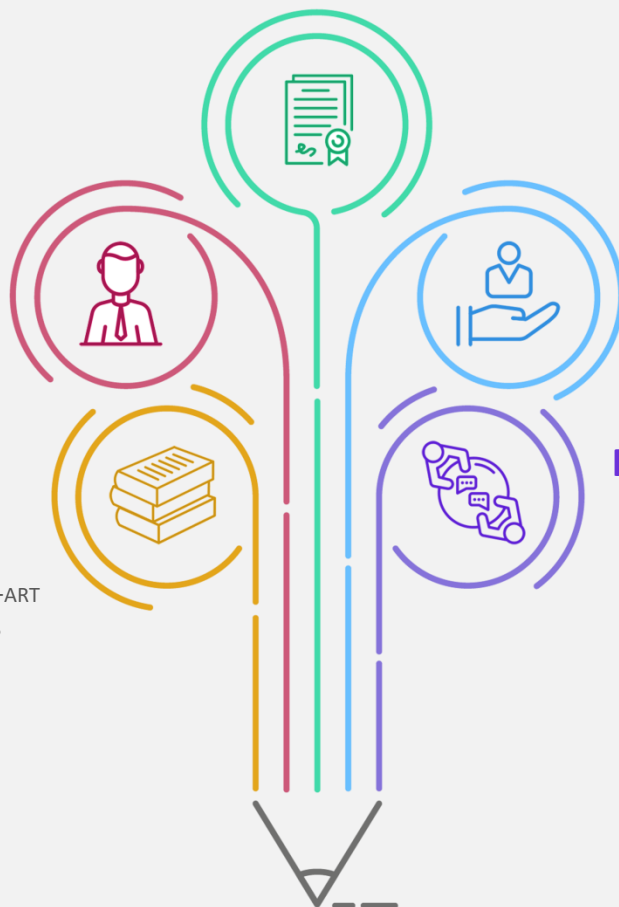
End to End job Support

PERSONALIZED RESUME AND INTERVIEW PREPARATION SUPPORT
JOB UPDATES AND CONNECTS

REALTIME EXPERIENCE

Projects and Internships

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



WHY DATAMITES ?

PROGRAM STRUCTURE

3-PHASE LEARNING STRUCTURE

THE COURSE FOR BEGINNERS' AND INTERMEDIATE LEARNERS IN THE FIELD OF DATA SCIENCE. THIS IS A CAREER-ORIENTED PROGRAM, DESIGNED TO IMPART A STRONG FOUNDATION IN THE DATA SCIENCE, WITH STATISTICS, MATH'S AND PYTHON ALONG WITH MACHINE LEARNING KNOWLEDGE

- ✓ 6-MONTH PROGRAM
- ✓ 120-HOUR LIVE ONLINE TRAINING
- ✓ 400 LEARNING HOURS
- ✓ 20 CAPSTONE PROJECTS
- ✓ 1 CLIENT PROJECTS
- ✓ COMPLIMENTARY TABLEAU COURSE
- ✓ MODEL DEPLOYMENT IN THE CLOUD
- ✓ INTERNSHIP WITH EXPERIENCE CERTIFICATE



ACCREDITATIONS & CERTIFICATES

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

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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 DATA SCIENTIST PROGRAM

4 MONTHS
PROJECTS &
INTERNSHIP



WEEK 10

TABLEAU, BIG DATA BASICS,
DATA SCIENCE PROJECT
FLOW, CAREER DISCUSSION

WEEK 9

ADVANCED METRICS &
MODEL DEPLOYMENT IN
PRODUCTION

WEEK 6 - 7

ADVANCED MACHINE
LEARNING ALGORITHMS
(CAPSTONE PROJECTS)

WEEK 8

DEEP LEARNING
FOUNDATION & CNN
COMPUTER VISION

WEEK 3

DATA SCIENCE
FOUNDATION &
PYTHON ESSENTIALS

WEEK 5

MACHINE LEARNING
INTRO & BASIC ML
ALGORITHMS

WEEK 4

STATISTICS FOR DATA
SCIENCE & ESSENTIAL
MATHS

WEEK 1 - 2

PRE-COURSE PREPARATION
(SELF-STUDY)

CURRICULUM TOPICS

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COURSE 1: DATA SCIENCE FOUNDATION

Introduction to Data Science, Industry applications, Terminologies.

COURSE 2: PYTHON ESSENTIALS

Anaconda - Python distribution Installation and setup. Jupyter Notebook, Python Basics, Data structures, control statements

COURSE 3: R LANGUAGE ESSENTIALS

R Installation and Setup, R Studio Basics, R Data Structures, Control Statements, Data Science Packages

COURSE 3: MATHS FOR DATA SCIENCE

Essential mathematics, Linear algebra, Linear Transformation, Types of Matrices, Matrix properties and Operations, Probability and Calculus

COURSE 4: STATISTICS FOR DATA SCIENCE

Statistics Introduction, Terminologies, Inferential Statistics, Harnessing Data, Exploratory Analysis, Distributions, Central Limit Theorem, Hypothesis Testing, Correlation and Regression

COURSE 5: DATA PREPARATION WITH PANDAS

Numpy Array functions, Data munging with Pandas, imputation, outlier analysis

COURSE 6: VISUALIZATION WITH PYTHON

Visualization basics, Matplotlib Introduction, Basic plots, customizing plots, Sub-plots, Statistical Plots, Seaborn package introduction

COURSE 7: MACHINE LEARNING ASSOCIATE

Machine Learning Introduction, ML core concepts, Unsupervised and Supervised Learning, Clustering with K-Means, Linear Regression, Logistic Regression, K-nearest Neighbor

DOWNLOAD
DETAILED SYLLABUS



CURRICULUM TOPICS

COURSE 9: ADVANCED MACHINE LEARNING

Bayes Theorem, Naïve Bayes Algorithm for text classification, Decision Tree, Ensemble methods: Random Forest, Extra Trees, SVM, Boosting Techniques, XGBOOST, Artificial Neural Network, Adv Metrics, Imbalanced Dataset, Grid search, K-fold Cross validation

COURSE 10: SQL FOR DATA SCIENCE

Relational Database Management Systems basics, SQL Introduction, Connection to SQL databases, Fetching data with SELECT, WHERE condition, SQL JOINS, SQL CRUD operations.

COURSE 11: DEEP LEARNING – CNN BASICS

Deep Learning Introduction, TensorFlow and Keras, Convolution Neural Network basics, End to End image classification of cats and dogs using TensorFlow-Keras platform.

COURSE 12: TABLEAU ASSOCIATE

Visual Analytics basics, Tableau Introduction, Connecting to data source, dimensions vs measures, basic plots, compound plots, forecasting, publishing

COURSE 13: ML MODEL DEPLOY- FLASK API

ML Deployment Strategies, Flask introduction, Packing training ML model, Deploying it on Flask as API

COURSE 14 : BIG DATA FOUNDATION

Introduction to Big Data, Hadoop Concepts, Spark Big Data for Data Science Processing. Handling Big Data in Machine Learning Pipeline.

COURSE 15: DATA SCIENCE PROJECT EXECUTION

Data Science Project Management method, Business Case, Risk and Limitation of Machine Learning, Project Pit falls.

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/>



SHUBHANGI SAKARKAR | DATA SCIENCE FACULTY

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

<https://www.linkedin.com/in/shubhangi-sakarkar-66b049112/>

INDUSTRY PROJECTS

SELECTED PROJECTS WITH ML PREDICTIVE MODEL



EMAIL SPAM PREDICTION

Predict Email spam with Machine learning Text Classifier



FLIGHT FARE PREDICTION

Indian Domestic flight fare prediction using ML model



BANK LOAN RISK PREDICTION

Credit score calculation with past transactions and predict default



BREAST CANCER DETECTION

Using public breast cancer data, building diagnostic model



ITSM TICKET PREDICTION

ML model to predict ITSM Ticket type, priority and volume



INVENTORY FORECASTING

Automobile service center inventory/demand forecasting



SENTIMENT ANALYSIS - TWITTER

Analyzing live tweets for positive/negative sentiment



COMPUTER VISION CNN PROJECT

Cat or Dog Image Classification with TensorFlow Keras



TELECOM CUSTOMER CHURN

Predicting customers leaving telecom network (Churn)

Many more projects...

DATAMITES®, 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

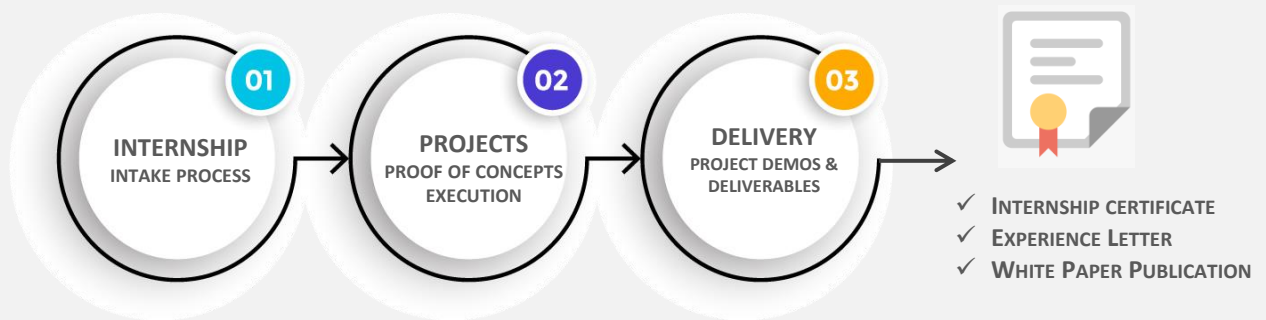
INTERNSHIP

REAL-WORLD EXPERIENCE IN IMPLEMENTING ML PROJECTS

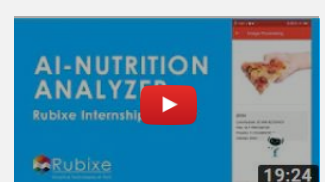
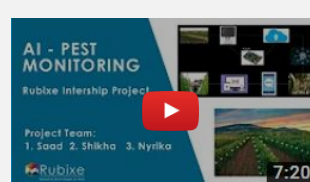
DATAMITES HAS EXCLUSIVE PARTNERSHIP WITH LEADING AI COMPANIES IN BANGALORE PROVIDING INTERNSHIP FOR DATAMITES LEARNERS.

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



SELECTED FEW INTERNSHIP PROJECTS FROM PREVIOUS BATCHES



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 DATA SCIENCE 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

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OUR LEARNERS' SAY

HIGHEST LEVEL OF CUSTOMER DELIGHT

CHECK MORE REVIEWS

<http://datamites.net/google-reviews>

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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.

CAREER SUCCESS STORIES

SELECTED FEW FROM HUNDEREDS 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/>

Prasanth 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 a 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

ENQUIRE FOR DETAILED INFORMATION FOR ENROLLMENT

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COURSE NAME : CERTIFIED DATA SCIENTIST
DURATION : **2 + 4 MONTHS**
LEARNING MODE : LIVE ONLINE TRAINING

admissions@datamites.com

INDIA : +91 1800-313-3434

US : +1 628 228 6062

UK : +44 752 066 5626

PROGRAM SCHEDULE

<http://datamites.net/program-schedule>

ELIGIBILITY TEST

<http://datamites.net/eligibility-test>



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