Full stack
Data-science
AI, Generative
AI & LLM

K. PRAKASH SENAPATI

ABOUT ME



- 17yr Working Professional in Software Industry.
- Working as a Lead DATASCIENTIST, BUSINESS LEADER, FREELANCER, CORPORATE TRAINER
- MICROSOFT CERTIFIED DATASCIENTIST | SIX SIGMA CERTIFIED
- FOR MORE DETAIL YOU CAN REACH ME ON LINKEDIN
- Working for a leading Banking, Healthcare, Finance, Insurance, e-commerce, service sector company. Tasked with optimizing the company's recommendation engine, analyzes customer behavior, transaction history, and product preferences. Leveraging advanced machine learning algorithms, she fine-tunes the recommendation system, resulting in a significant increase in customer engagement and sales. Expertise in extracting actionable insights from complex datasets proves instrumental in shaping the company's strategic decisions.
- Data scientist in the finance sector, specializes in predictive modeling and risk analysis. Working for an investment firm, he develops sophisticated algorithms to forecast market trends and assess investment risks. James' models enable the firm to make informed decisions, optimize portfolios, and navigate financial markets with confidence. His data-driven approach proves essential in maximizing returns and minimizing potential losses for the firm's clients.
- Many Non-technical Students, Career gap learner's transition towards Data Scientist or Data Analyst.

WHAT WE LEARN IN DEMO SESSION

- What is Full stack Data Science
 - What is Data
 - What is Al project
 - Data science Architecture
- What is Structured Data, Unstructured Data, Semi structured Data
- What is Machine learning || Artificial Intelligence || NLP || Deep Learning || Neural Network
 - What is Reinforcement Learning
 - What is Open AI (Chat-Gpt)
 - Who can learn this course
 - Does Fresher Learn this course
 - Does career gap student can learn this course
 - Can any professional transit to data science
 - Data science vs data analyst vs business analyst vs data engineer
 - Roadmap of this course | Course syllabus
 - What topics covered under this program | which programing language are covered
 - Learners who completed the courses what they speak about my training program
 - What certificate we provide
 - Learners question & answer

Why to choose Data science

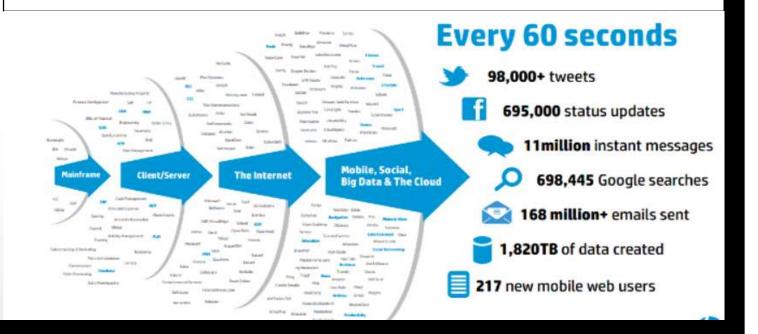
- Less coding
- Anyone can understand the code
- Completely different then java, C, C++ etc
- Easy Deployment
- High Demand, Innovation, well paying career
- Global opportunity
- World produce more data, Technological Advancements
 Businesses Embracing Data-Driven Decision Making
- Powerful packages or libraries are using for data analyst, data visualization

Why to choose Data-Science

Data Never sleep



- World produced data
- Internet unstoppable
- New technology will be emerged with the help of data science
- If you integrated data science to the device e.g. drones, IOT (advanced application)
- Very less codes & understandable code
- Just need to import the packages for the Business use-case.
- The goal is turn data into visualization



	Software installation Anaconda, Vs-code, PyCharm				
	Python				
	Data analysis using (NumPy Seaborn pandas Matplotlib)				
	EDA Technique for data cleaning for raw data to clean data				
	Raw data extraction from Data base				
	Statistics				
	SQL				
RoadMap	Machine learning regression classification clustering using (SKLEARN)				
	Machine learning model deployment with flask, Heroku, streamlite				
	Resume preparation (Level-1)				
	Hackathon coding test (Interview Round-1) (Who ever selected from the test)				
	Live Interview for qualified candidate				
	Interview question bank sharing				
	Apply job in the job portal				

```
d = modifier_ob.
                                                            Introduce to Artificial Intelligence
                                                    NLP library installation NLTK, SPACY, GENSIM
                                                                                                   Apply Machine Learning Algorithm in NLP
                      NLP - NLU , NLG, TEXT PROCESSING , TEXT MINING, NLP ALGORITHM,
                                     R introduction -- R software installation, Machine Learning model building in R language
                                                                 Apply job in the job portal -- 2
                         Deep learning & Neural network -- Installation of TensorFlow, keras, pytorch, yolov8, Theano OpenCV, Media pipe
d.use y = False
d.use z = True
on at the end -add
                                                                        Building ANN model
                              Big data software installation – Py-spark & Databricks, machine learning model building using Py-spark
cene.objects.acti
intext selected ob
                                                                        Building CNN model
ects one name sel
ease select exactle
                                                                        Building RNN model
TATOR CLASSES ----
                                             Reinforcement learning - Generative Al model building using open Al api
                                                                   Resume preparation (level-2)
ror to the selected
                                                              Hackathon coding test (Interview round)
tive_object is not
                                                               Live interview for qualified candidate
```

Azur-ML cloud setup -- Model building in cloud

Tableau software installation, tableau setup tools with visualization, deployment & set up in the cloud

Hadoop installation, Hadoop ecosystem, work with hive

Final document sharing, pdf, interview question bank, books, codes, GitHub Repository

NASSCOM certification question

Certification

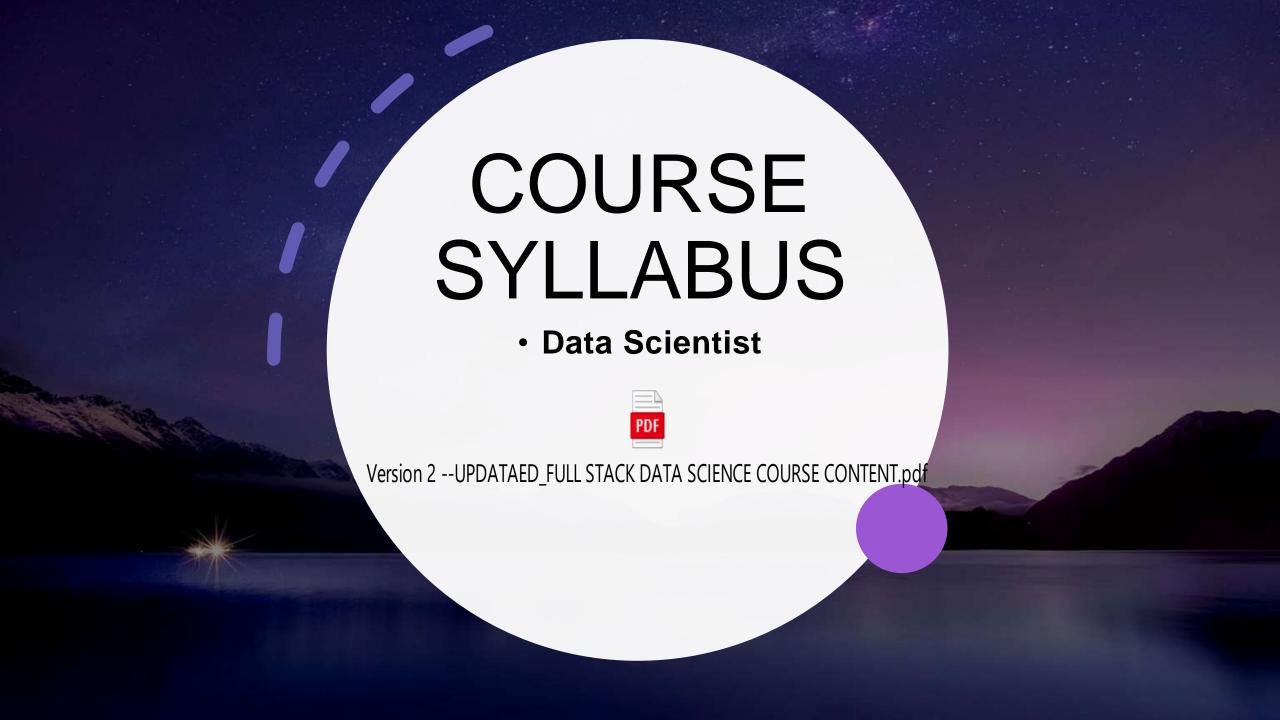
Apply job in the job portal -- 2

Placed student interview

After complete the batch you can also connect with me in WhatsApp, linked, Gmail for any career guidance

Job transition every 2-3 yrs. for growth

Keep learning till financial freedom







PREQUISTS TO LEARN THIS COURSE

- > DEDICATION, TIME, GOAL, RESUME, INTERVIEW, OFFER
- > Active listener in the class
- > Do not miss any session
- > Attend the lab for both offline & online
- Listen class with pen, paper or notepad
- > Create ppt for resume projects
- > Complete at least 50 project
- > Apply the resume in job portal after 2.6 months
- > Attend mock interview & coding test which conduct by me
- > Review & recall previous session
- > We keep update the resume by month wise with new concept,
- > No coding required
- > No math required
- > No stats required
- > No linear algebra required
- > Proper Laptop with (Min I3 configuration, window 8, 4gb ram)
- New laptop (>i5, 512ssd processor, 8gbram)

WHO ARE ELIGIBLE TO LEARN THIS COURSE

- √ High school (10th) || College (12th) || Students can learn this
 for upskills in future world but not for apply the Job
- ✓ College (BSC || BCOM || BA)
- ✓ Engineering | B. Tech (Mechanical | Chemical | Computers | Electrical | All Stream)
- ✓ BBA | BCA | BE | Diploma | Pharma | B.ED |
- ✓ MBA || MCA || ME || M.SC || M.ED
- ✓ Charted Account | Doctor
- ✓ Teacher || Lecturer || Assistant Professor || Professor
- ✓ Person who had career gap he is also learn this course and get the job
- ✓ No Software Background is required || No Coding background is required
- ✓ No mathematics background || Not required Linear algebra concept



Placed candidate company & salary information



Data Science Students Placed.pdf



CAPSTON E PROJECT

- BFSI DOMAIN →
- BANKING DOMAIN
- HEALTHCARE DOMAIN
- INSURANCE DOMAIN
- FINANCE DOMAIN
- MANUFACTURING DOMAIN
- Refer to below GITHUB Account for more project →

https://github.com/Data-Science-Project-AMXWAM/500-Data-science-projects

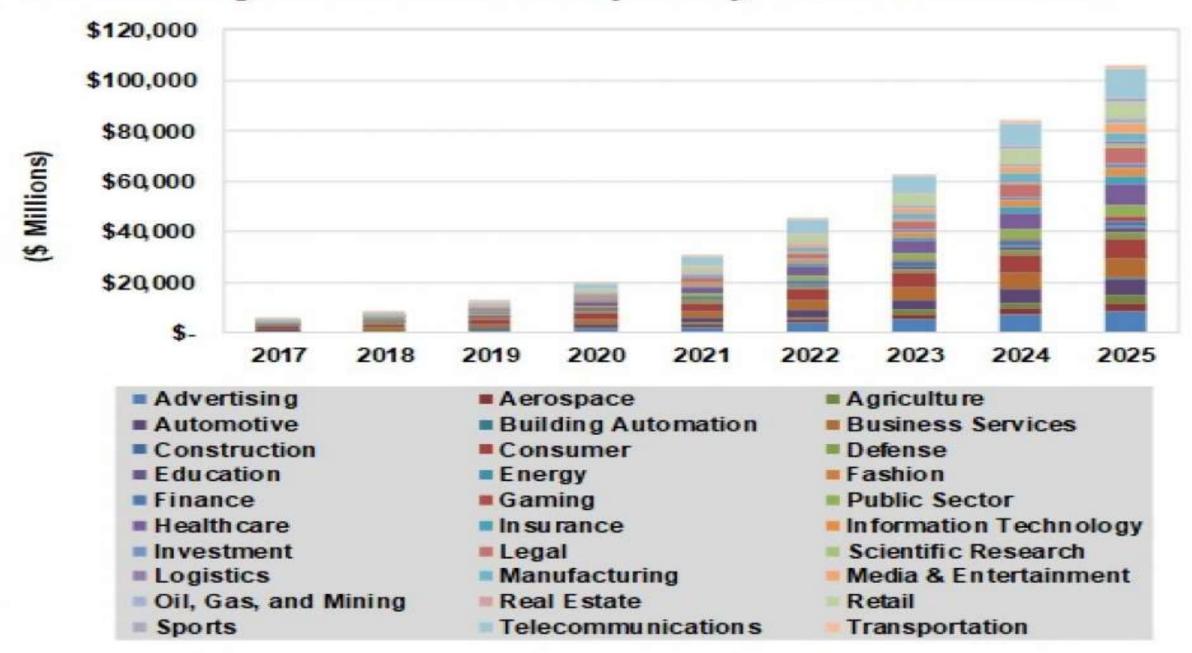
Attached pdf for ML projects

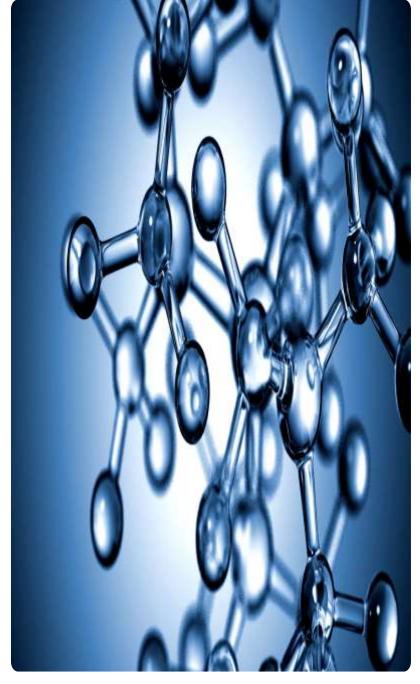
- → DATA SCIENCE POC (PROOF OF CONCEPT)
 → DATA SCIENCE TOPIC WISE CONTENT (INDEPTH COURSE)





Artificial Intelligence Software Revenue by Industry, World Markets: 2017-2025





DATA SCIENCE CERTIFICATION

- Course Completion Certification
- NASSCOM CERTIFICATION
- Google Data science certification → https://cloud.google.com/data-science
- Microsoft Certification →

https://learn.microsoft.com/en-us/training/browse/

IBM Data Science →

https://www.coursera.org/professional-certificates/ibm-data-science

Kaggle Certification →

https://www.kaggle.com/learn/intro-to-machine-learning

Linkedin Learning →

https://www.linkedin.com/learning/



CERTIFICATE

This is to certify that

JAMES JE

has successfully cleared the assessment on

Full Stack Data Science and Al Program

Aligned to Competency Standards developed by IT-ITeS Sector Skills Council NASSCOM in collaboration with Industry and approved by Government.

26/10/2022 Date of issue



CEO, IT- ITeS Sector Skills Counci NASSCOM

Silver Category: 60% - 69% score.

Detailed Scorecard included







Certificate Details

Candidate Name	James Je
Assessment/Course Name	Full Stack Data Science and Al Program
Date of Issue	26/10/2022
Certification ID	FSP/2022/10/3186108
Category Gold >=70% / Silver 60%-69% / Bronze 50%-59%	Silver



Assessment Score

Module Name/NOS ID	NSQF Level	Maximum Marks	Marks Obtained	Percentage
N8101	6	100.00	50.00	50.00
N8102	6	100.00	70.00	70.00
N8103	6	100.00	77.50	77.50
NS104	8	100.00	55.00	55.00
N8105	7	100.00	60.00	60.00
N8108	6	100.00	75.00	75.00
		600.00	997.60	0.4 50





I'm happy to announce I have completed a Full Stack Data Science and Artificial Intelligence Course from Naresh IT. Special thanks to KODI PRAKASH SENAPATI for guiding me through the journey and explaining things from the basic to the advance level. #artificialintelligence #datascience #datascientist #numpy #pandas #machinelearning #deeplearning #computervision #opencv #nlp #chatbots #hadoop #spark #azureml #tableau #matplotlib #seaborn



Course Completion Certificate

This is to certify that

Mr. / Miss. Syed Samiullah

Completed A Course On Full Stack Data Science & Al

Successfully From October-2022 to February-2023

Address:- H.O.: D.No. 201-204, Durga Bhavani Plaza, Ameerpet, Hyd - 16.
Ph. - 040-2374 6666, +91 81791 91999, Mail: Infoilinareshit.com Web: www.nareshit.com



- DATA ANALYST →

 (SQL, Python, EDA, TABLEAU/POWER BI)
- BUSINESS ANALYST →
 (SQL , TABLEAU/POWER, EXCEL , COMMUNICATION)

JOB RELATED TO THE DATA

- DATA ENGINEER →

 (APACHE SPARK, APACHE HIVE, APACHE HADOOP, KAFKA, SQL)
- DATA SCIENTIST
 →
 (SQL, PYTHON, STATISTICS, MACHINE LEARNING, NLP, DEEP LEARNING)
- FULL STACK DATA SCIENTIST →

 (SQL, PYTHON, STATISTICS, MACHINE LEARNING, NLP, DEEP LEARNING, SPARK, HADOOP, HIVE, FLASK, CLOUD)

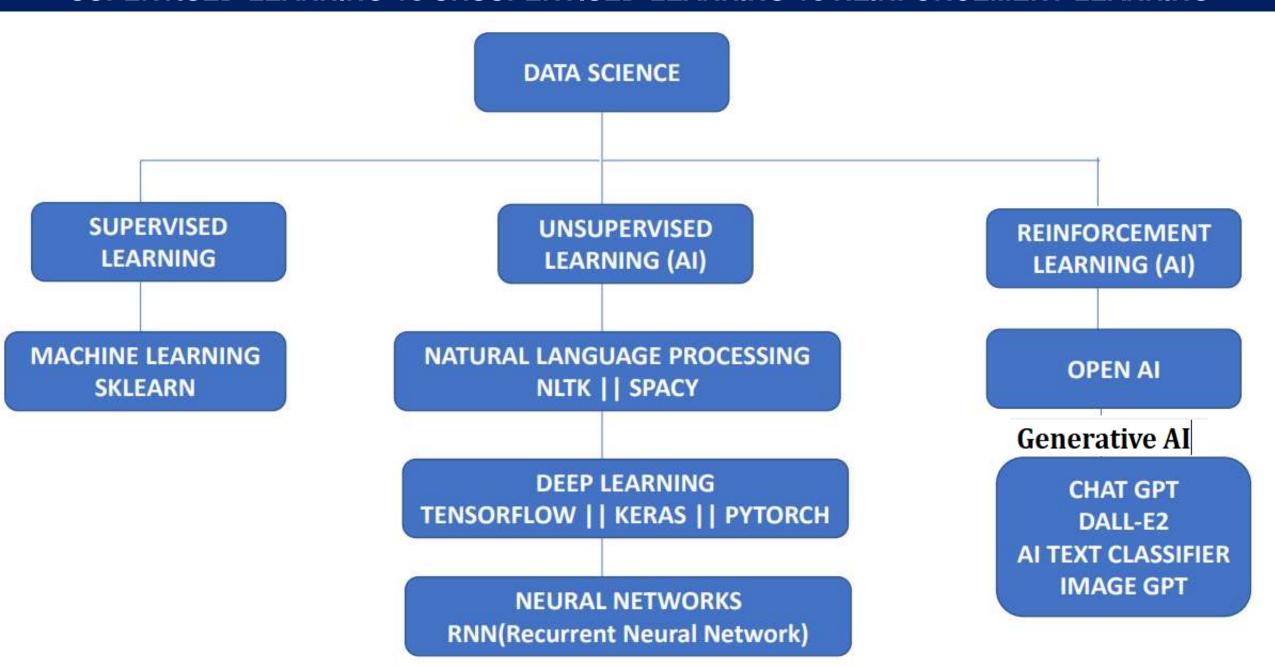
What is Data, Structured Data, Unstructured Data

Customer Data (Structured Data)

No	NAME	GENDER	ADDRESS	MOBILE	OFFICE	SALARY
1	Alex	М	Walls street	478893909	GENPACT	100000
2	John	М	Look avenu	578893909	VALULABS	200000
3	Erica	F	Patric road	978893909	IUMANBO	300000
4	Max	М	Park lane	367649373	CYNET	400000
5	Stephen	М	Parking lane	267649373	WIPRO	500000

- Image Data (Unstructured Data)
- Audio Data (Unstructured Data)
- Video Data (Unstructured Data)
- Streaming Data (Unstructured Data)
- Sensor Data (Unstructured Data)
- XML / PDF (Unstructured Data)

SUPERVISED LEARNING vs UNSUPERVISED LEARNING vs REINFORCEMENT LEARNING



WHAT IS FULLSTACK DATA SCIENCE

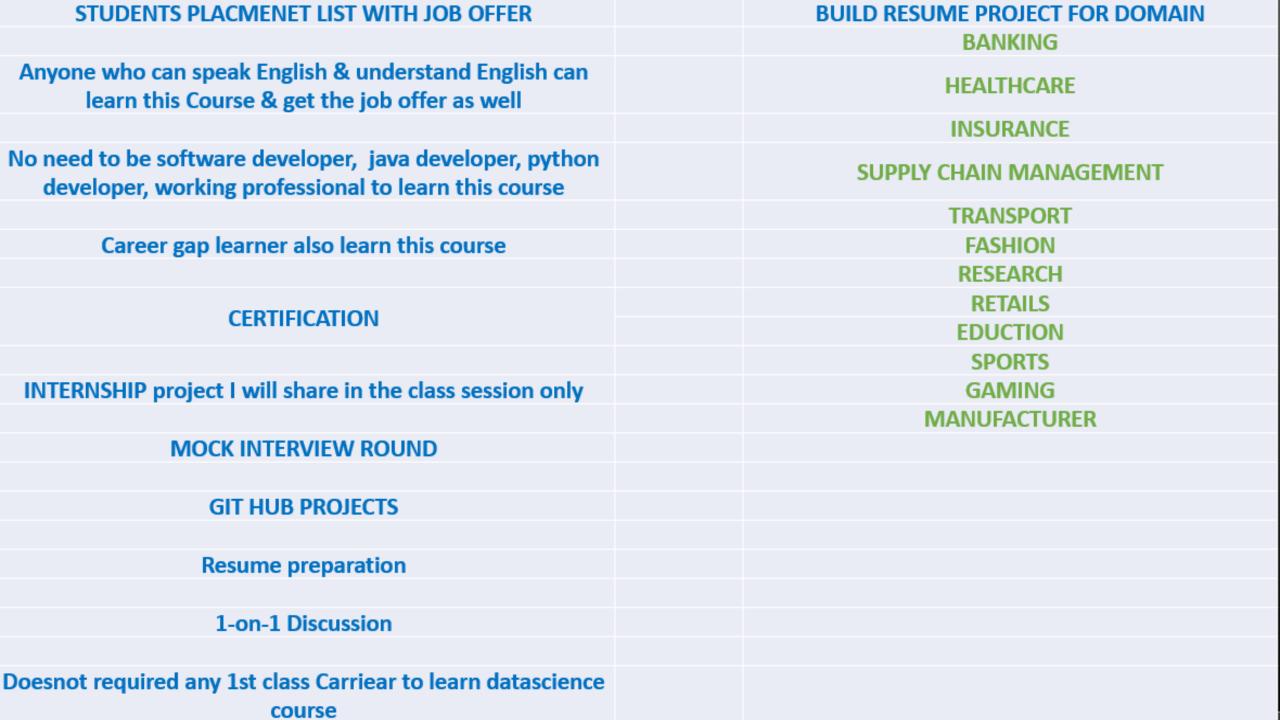
✓ FULL STACK DATASCIENCE --> FULL STACK --> BackEnd & FrontEnd **KEY ASPECTS OF DATASCIENCE** DATA SCIENCE --> Data + Science BACKEND --> 1- ARTIFICIAL INTELLIGENCE **Machine Learing Model** 2- MACHINE LEARNING **Deep Learning Model NLP Model** 3- DEEP LEARNING Computer vision Model 4- NLP Deployment --> 5- COMPUTER VISION Deply the code from Backend to Frontend Flask 6- REINFORCEMENT LEARNING heroku 7- STATISTICS streamlite Azur 8- MATHS, CALCULUS CI | CD Pipeline 9- PROBABILITY FRONTEND --> **GUI using TKINTER & TURTLE** HTML Mobile Application like - Tensorflow Lite

SOFTWARE & APPLICATION TO LEARN DATASCIENCE

- Python (Anaconda → (Jupiter || Spyder)
- PyCharm
- Vs-code Editor
- R Programming
- Google Collab
- SQL || Excel
- Azur ML (Cloud)
- Spark
- Hadoop
- Flask
- Tableau (Business Intelligence tool)

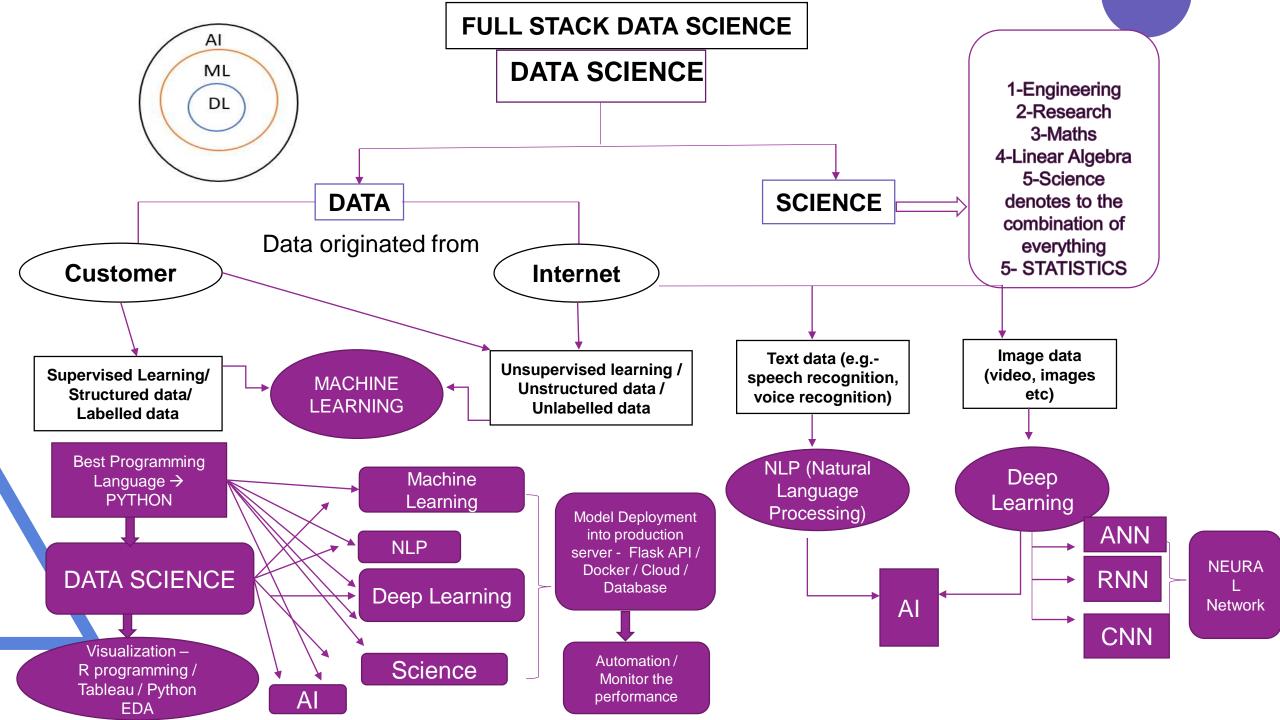


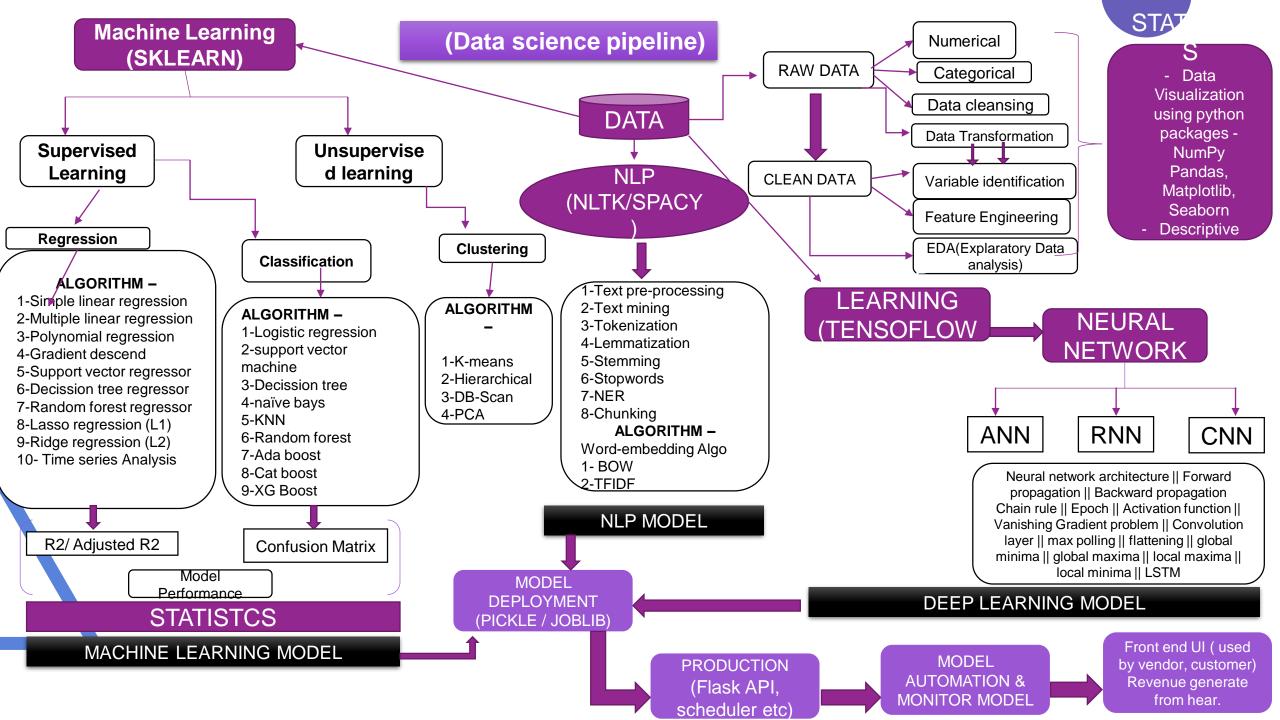
No	TECHNOLOGY	NO	PACKAGES FRAMEWORK	No.	Software Used to learn this course
1	PYTHON	1	NUMPY	1	Anaconda Distribution platform
2	SQL	2	PANDAS	2	Jupyter
3	EDA	3	MATPLOTLIB	3	spyder
4	STATISTICS	4	SEABORN	4	Google Collab
5	MACHINE LEARNING	5	STATSMODEL.API	5	R studio
6	NATURAL LANGUAGE PROCESSING	6	SKLEARN	6	PySpark
7	ARTIFICIAL INTELLIGENCE	7	FLASK	7	MySQL
8	DEEP LEARNING	8	NLTK	8	Databricks
9	NEURAL NETWORK	9	SPACY	9	Hadoop
10	REINFORCEMENT LEARNING	10	GENSIM	10	Tableau
11	GAN	11	TENSORFLOW	11	Azur ML
12	OPENAI	12	KERAS	12	Heroku
13	PYSPARK	13	OPENCV	13	Flask
14	DATABRICKS	14	YOLOV8		
15	MLOPS	15	GAN		
16	TABLEAU	16	LSTM		
17	R - Programming Language	17	ARIMA MODEL		
18	EXCEL	18	MLIB		
19	AZUR ML	19	ML-STUDIO		
20	HADOOP	20	HIVE QUERY		
21	DEPLOYEMNT - STREAMLITE				
22	TIME SERIES				
23	ML OPS				



AFTER THE DEMO SESSION WHAT NEXT

- ENROLLEMENT PROCESS ADMIN WILL TAKE CARE IT
- ADMIN WILL SHARE THE LEARNERS LOGIN CREDENTIAL TO REGISTERED EMAIL ID
- ADMIN WILL CREATE THE GOOGLE CLASS ROOM
- I WILL POST DAILY WORK, ASSIGNEMENT, NOTES & PROJECTS IN THE G-CLASSROOM
- OFFLINE TEAM YOU CAN ATTEND THE SESSION IN PREMISES
- ONLINE TEAM ADMIN WILL CRATE A APP WHERE EVERYDAY YOU CAN JOIN THE SESSION THROUGH APP
- I WILL SHARE YOU ONE DOCUMENT REGARDING JOIN THE CLASSES THROUG APP (APPLICABLE FOR ONLY ONLINE LEARNER)
- ANY QUESTION YOU CAN POST IMMDIETLY IN GOOGLE CLASSROOM
- YOU CAN POST YOUR WORK, ASSIGNMENT, PROJECT IN THE CLASSROOM
- C FLINE TEAM LAB WILL BE PROVIDED FOR 8AM 8PM (Mon-Fri)
- OLLINE TEAM LAB WILL PROVIDE FROM (MON-SAT)@ 2pm-4pm (IST)
- NRI LEARNERS LAB TIMING ARE --> 8:30AM 10:30AM || 4PM 6PM (IST)
- AT TOE TIME OF PREPARATION RESUME YOU CAN MAIL YOUR RESUME TO MY PERSONAL GMAIL ID FOR REVIEW
- STUDENT WHO HAD CAREER GAP I HAVE TO DISCUSS 1-ON-1 DISCUSSION
- IF YOU HAVE ANY QUESTION WHILE TRAINING ONLIEN TEAM JUST RAISE YOUR HAD I WILL UNMUTE AND WE CAN DISCUSS ABOUT
 THE QUESITOR
- OFFLINE TEAM YOU CAN ASK QUESTION AT THE END OF THE SESSION





Data Science Salary range | Job designation

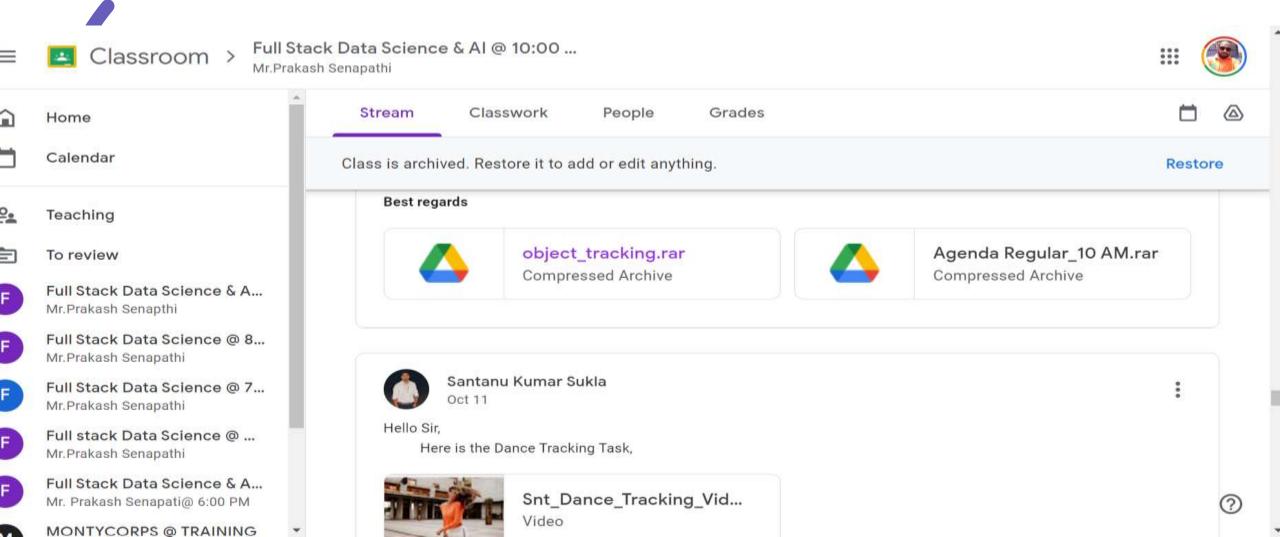


Jr. Data scientist / Sr. Data scientist / Principal Data scientist / ML Engineer / NLP Engineer / DL Engineer / Data Analyst / Principal Data scientist / ML Developer / Al Developer/ NLP Developer

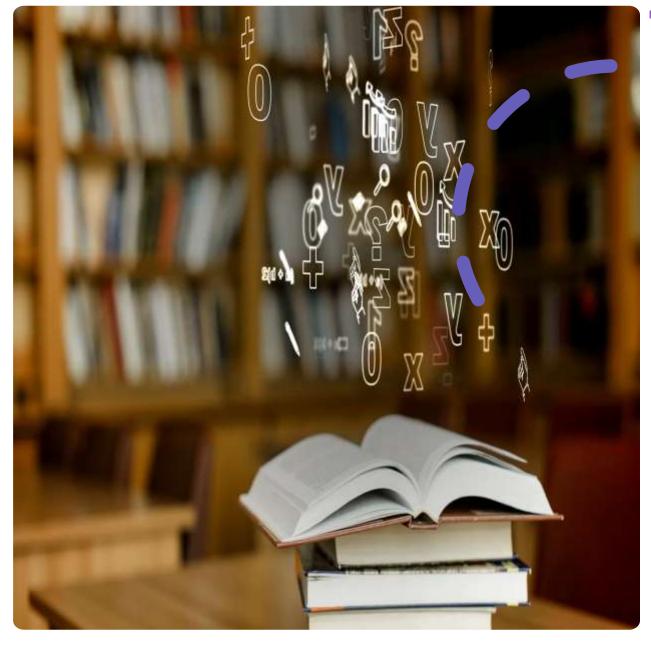
GOOGLE CLASSROOM

While practise the code if learner has any question or query then they can post the question immediately in the google classroom.

Interview question bank, pdf, Books will be shared in G-classrrom



PRACTICE LAB SUPPORT			
PRACTICLE LAB>	Lab Mentors ==> Avini Darshan Pranav		
Data Science Lab Sessions @ 9AM to 6PM (Mon to Sat)	Meeting Link: https://zoom.us/j/81808618231		
	Password: 261596		
Offline Lab Timings>	Mon - Sat @ 9pm - 6pm		
Online Lab Timings>	Mon - Sat @ 9AM-1PM, 2PM-4PMpm		
Online Lab (Abrod student)>	Mon-Sat@ 6PM-8PM		
Non-technical Question> Rajeswari (online team – 7337313417)	Bank Details :-		
Rajesh(offline team - 7997997808)	Name: Naresh I TECHNOLOGIES		
FEE STRUCTURE - 18,000 with out recording	Bank Name ICICI		
25,000 with recording	CA Account no		
	111305500637		
Learners question & Answer Regular Class notes Tasks Project Resume practice Question bank Interview question	- IFSC code ICIC0001113		
> Everything will be share in regular basis in the google classroom	Ameerpet Branch		



THINGS REQUIRED TO LEARN THIS COURSE

- NEED TO PREPARE THE RESUME AFTER 3MONTHS
- TO LEARN THIS COURSE -->
 - CONISTENCY
 - PATIENCE, PROPER MINDSET
 - +VE THOUGHT
 - GOOD LAPTOP
 - RESEARCH THE BUG & FIX THE BUG INDEPENDENTLY
 - KEEP GIVING INTERVIEW
 - 10 DATA SCIENCE OFFER
 - TIME MANAGEMENT FOR EXPERIENCE PROFESSIONAL
 - Fresher Need to spend 4hr everyday for practice
 - Experience as per your free time



DISCUSSION POINTS >

- Practical coding
- Mock interview preparation
- 1000 + interview question
- About lab timing, lab mentor
- Duration, timing of the course
- Course fee
- Certification
- Resume project & some resume sample
- Scan the QR code
- List of contact number to reach out
- 1-on-1 session on regular basis
- Need to add price breakup
- Current job opening for fresher & experience

FREQUEN QUESTION ASKED BY MANY LEARNERS

- 1- Can Non-Technical student learn this course
- 2- Career Gap student learn this course
- 3- Working from different domain can we learn
- 4- Can you show some Al project
- 5- Can you give placement
- 6- Can you give internship
- 7- Will you help us on resume building
- 8- Which Certification is best for data science
- 9- Fresher opportunity in data science
- 10- How much project you will give
- 11- How much time need to spend learn this course
- 12- Offline or online is best to Enroll
- 13- Does working professional learn this course

