

Quick witted | Tech-Savvy | Observer



- **IIT Kanpur Alumnus**
- Working as Principal Data Scientist with **Accenture Strategy & Consulting**
- ¶+ of Industry experience of delivering multiple data science projects across industries
- 15+ years of experience training & mentoring
- Taught 30000+ GATE Students
  - 5000+ career transitions into Data Science roles

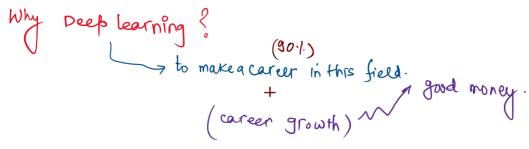
"It's not who I am underneath but what I do that defines me"

2008 - IIT-JEE Mallis [SI Kolkata]

https://www.linkedin.com/in/akash-pushkar-04642925/

#### Setting up expectations and guidelines

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As of now, how much 1-age of Job opportunities fall in this area?



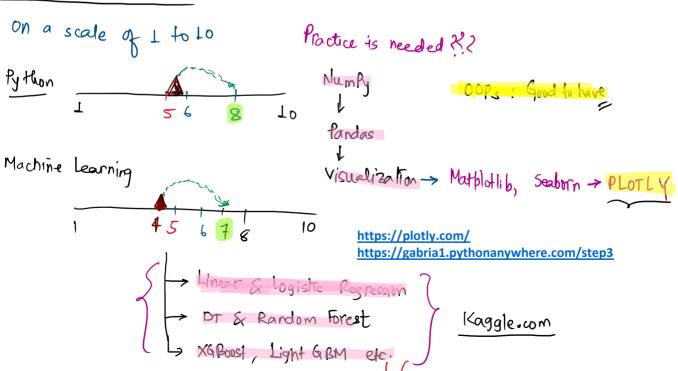
2. Machine Learning - 20-251. [Data Scientist] 201

BI (Business Intelligence) Analysts

this is a good starting point for non-tech folks.

(60-701.) ~ (600-700)

### Expectations for You!



### Certain quide lines

Do not miss a single live session.

Weading vides > b) 3-5 limes

C) 0 time

D) countless times

2) DDS: pedicated doubt states after the break: (10-15 mins)
in the end: (10-15 mins)

3 Motivating Factor: Respect your time and money

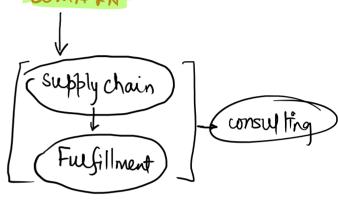
2-4 hours (week) beyond classes (6 hrs)

[8-10 hrs week]

Discord - a professional community)

## Module #D Introduction to Deep learning

- Difference blw PL, AI, ML, GenAI, Data Science, EDA
- What are some real use-cases (latest and updated) across industries.
- BE DEAD SERIOUS abt DOMATH



# Module # 10 Introduction to Neural Networks (NNs)

- Connecting the dots between human mind (brain) Nervous system and neural network
- Gradient Descent Algorithm (GDA)
- single layer perception (SLP) Two parameters
   Multiple layer perception (MLP)

weights bioses

- Handson: Build a neural network from scratch - Write our own functions using ooks principles.
  - Activation function and its implementation - Siamaid

- richallon tunction and its implementation
- sigmoid - settnax

- Relu - tanh

### **Ad-hoc Requests**

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1. Gradient Descent Algorithm

2. Bias - Variance trade-off.

3. Underfitting and overfitting

4. Pardas and Numby

De Lambda function

De Zip method

Cor Array Slattenine

Difference between AI, ML, DL, Data Science, EDA, Generative AI etc. ?

