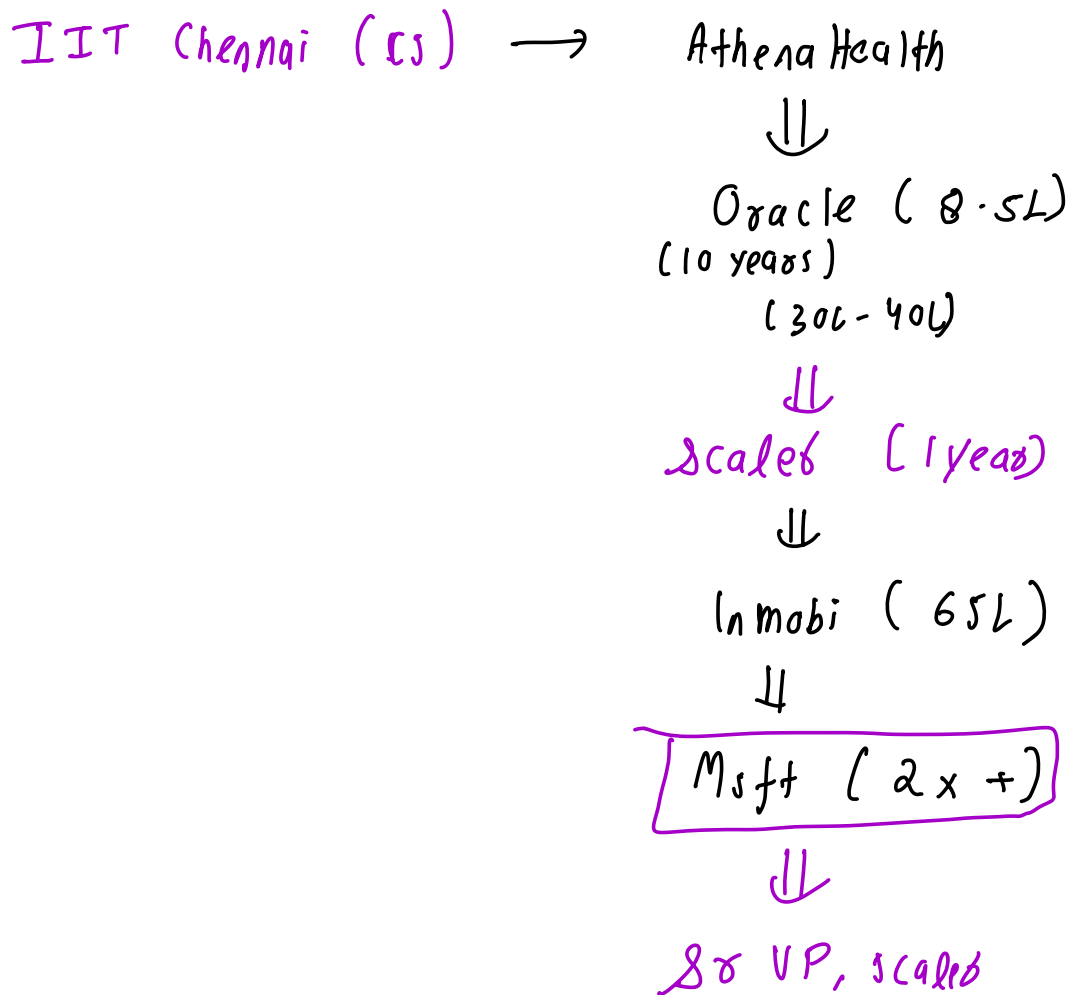# How to become Data Scientist at Microsoft

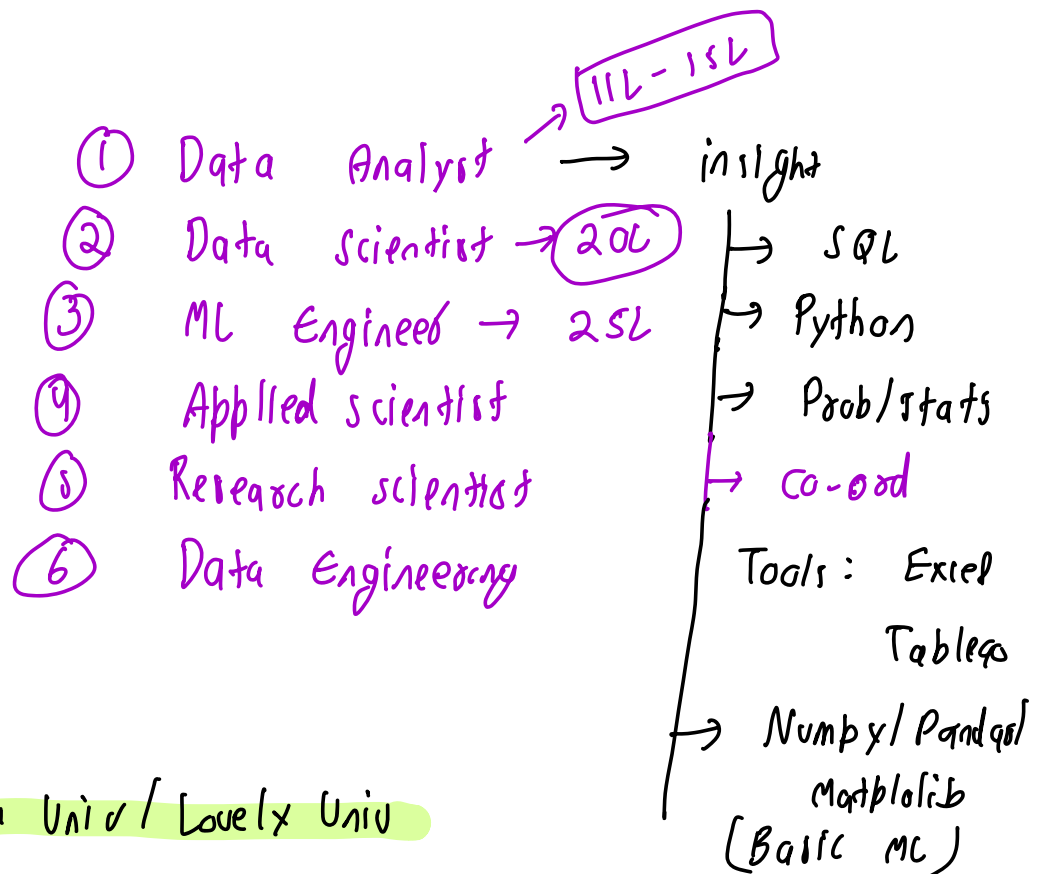→ Introduction

→ Palls to know you

→ Roles : skills

→ Rounds of Interview

→ How to prepare

→ Growth Path

IIT Chennai (CS) ⟶ Athena Health

⇓

Oracle (8.5L)
(10 years)
(30L - 40L)

⇓

Scaler [1 year]

⇓

Inmobi (65L)

⇓

$$\boxed{Msft\ (2x+)}$$

⇓

Sr VP, Scaler

Movie

- **Actor** $\longrightarrow$ # Impact
  - $\rightarrow$ Director
  - $\rightarrow$ Producer
  - $\rightarrow$ Cameraman
  - $\rightarrow$ Audience
  - $\rightarrow$ Writer
  - $\rightarrow$ Side Boy

Roles

1. Data Analyst $\rightarrow$ IIL - ISL $\longrightarrow$ insight
2. Data Scientist $\rightarrow$ 2OL
3. ML Engineer $\rightarrow$ 2SL
4. Applied scientist
5. Research scientist
6. Data Engineering

$\rightarrow$ SQL
$\rightarrow$ Python
$\rightarrow$ Prob/Stats
$\rightarrow$ Co-ord

Tools: Excel
        Tableau
$\rightarrow$ Numpy/ Pandas/
    Matplolib
(Basic ML)

Sharda Univ / Lovely Univ

$\Downarrow$

1cr Avg Placement

$\Downarrow$

2L, 2L, 2L, 3L, ·60L, 1·3cr, 1·2cr

↓
Aug ↑

② Data scientist

DA + [breath / depth in AI/MC)
↓
Maths
DSA (TE & SC)

③ ML - Engineering

50% SDE ← DSA
+
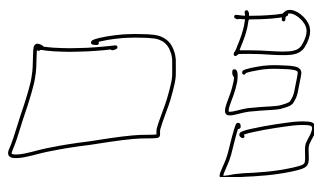50% DSA

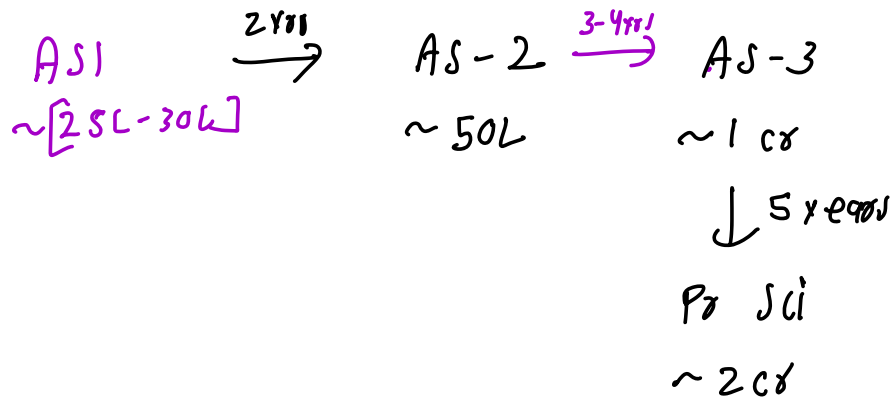④ Applied Scientist   → L64/L63

DS + cutting edge project

(5)   Research Scientist → publish research paper
                                    0.01 %.

Data Analyst
      ⇓
Data scientist / ML Engineering
         ⇓

AS1 $\xrightarrow{2yrs}$ AS-2 $\xrightarrow{3-4yrs}$ AS-3
~[25L-30L]   ~50L   ~1 cr

                                   ↓ 5 years

                                  Pr Sci
                                  ~2 cr

Data Eng

              DSA, LLD, HLD

New Roles   :

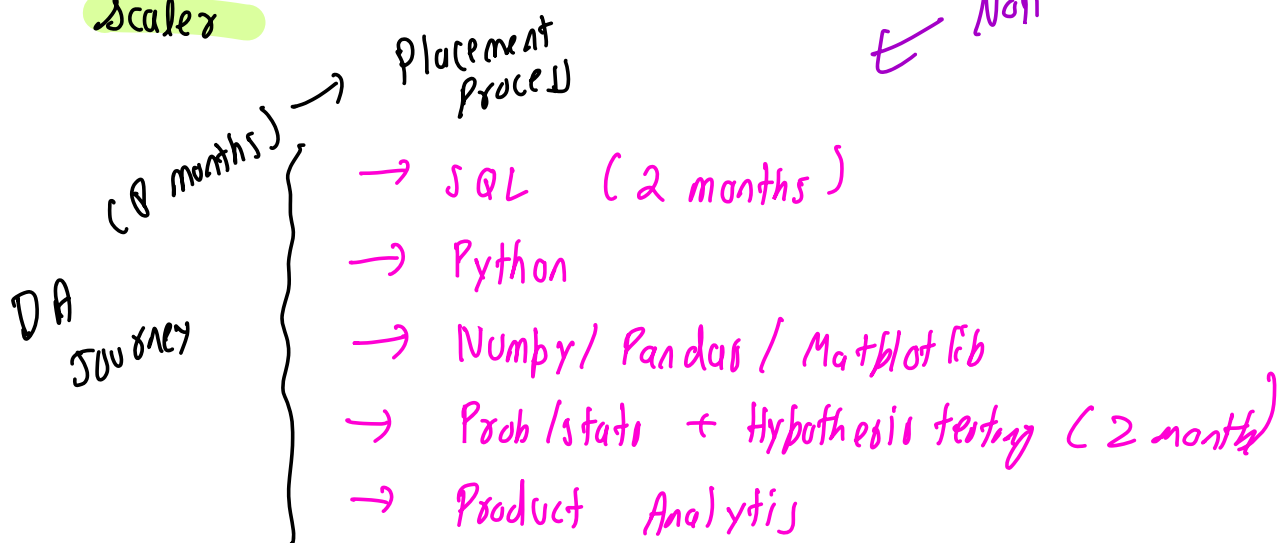   MLops - Eng   → DevOps + ML
                 PM   →   DS/ ML

⇒ ==Curriculum==

w3 school ← sql
← python

MIT lectures ← Maths

ML ← Ng Andrew (youtube)
↓
stanford

==Scaler==

Placement
Process → ← Non

DA (8 months) ⌐

DA
Journey

→ SQL (2 months)
→ Python
→ Numpy / Pandas / Matplot lib
→ Prob/stats + Hypothesis testing (2 month)
→ Product Analysis

DS
track

→ ML
→ Deep Learning
→ open CV
→ NLP
→ ML ops

80+
case studies

| → DSA

200+ placements

CHATGPT → DA
Develop

1 week → 3 class (Live)
(2 hs each)
⇓
3*2 =) 6 hrs
+ 9 hrs (Assignme)

9 PM - 11 PM
⇓   7 am - 9am
Recordings

⇒ **Rounds**

① Programing ⟨ SQL
                     ⟩ Python

② Math

③ ML - breath Round

④ ML - Depth Round

⑤ Application / scenario

⑥ Cultural fit round

Preparation

Packages
↓
cdf, bbf

SQL : Leetcode , interviewBit

ML breath : Kaggle.com ⇒ under 50
↳ CV

⇒ blogs ⇒ 5 hrs/week
↳ Research Papers
→ Uber AI blog
→ Google AI blog
→ Amazon science

Maths $\rightarrow$ Books