How to land data science
jobs outside India

scaler.com

{ International
  → Palo Alto (A9)
  → Seattle, Germany

Product-based

Family & friends

Topics:

① Typical paths : (DS) globally
  ↳ some, you may already know

② Compensations (US - CA)

③ Skills & Interviews : India vs Elsewhere

④ Smart strategies (often ignored)

Q&A

Most common DS -path

⤷ Top product based company) — MNC

[Intra Company Transfer]

Easiest

[Amazon; Microsoft; Google
                Nvidia]

Amzn -Blr ✓

↓

Amzn -Palo Allo

L1/H1

$$(DS) @ \quad \text{Large Services Company} \longrightarrow \text{HI/LI}$$

$$\downarrow$$

$$\underline{\underline{\text{clients}}}$$

② Masters ⟶ SDE (typically)

in US

Masters ⟶ V.few ⟶ (DS) (v. few)

↓ OPT

↓ H1

↳ top universities

Germany lok ⟶ Amazon-Berlin

↳ less popular

Masters
$\left(\text{IISc}/\text{IITB} \right) \cdots$ $\longrightarrow$ jobs abroad
$\left(\text{V·V· few} \right)$

$\hookrightarrow$ Google, Amazon, Microsoft $\rightharpoonup$ < 10 roles
Facebook

$\hookrightarrow$ Finance Companies $\longrightarrow$ SDE

Non-US

Germany/Europe
↓
Amazn; FB;
Google

Singapore
↓
Zoom

S. Korea
↓
Samsung

Japan
↓
Rakuten

Australia
↓
Google
Amazn

Canada $\longrightarrow$ Startups in US

(Vancover)

UAE $\longrightarrow$ dubai $\longrightarrow$ e-commerce

$\longrightarrow$ logistics ✓

$\searrow$ banks

(✱✱✱) Overlooked paths → Angel.co (Angellist)

US/Sing.

or LinkedIn

→ hungry for great Talent

→ well-funded /stable....

→ early employee

→ WF anywhere option

Job-postals: Naukri; Monster; Turing; Hired

→ fewer in number

During pandemic

Compensations

(US)

DS-roles

FAANG-like

<2 exp   Freshers → MLS-1/AS-1/MLE 1 ⟶ ~150k USD

2-5 yrs of exp → MLS-2/MLE2.... ⟶ ~250k-300k USD

5-8 yrs of exp → MLS-3/MLE ... ⟶ ~500-600k USD

10+yrs exp → Principal S/E ⟶ ~900k-1.2M$

Localisn → Taxes ✓
　　　　 ↳ CoL ✓
　　　　 ↳ family ; kids

USD — INR
✗

✓ Typical paths

✓ compensation

= Skills & Interviews =

FAANG-like

'hiring-bar' $\longrightarrow$ is same across the world

Obs: Interviews in US & Europe $\longrightarrow$ more "practical" than India

DS|AS

$$\begin{bmatrix} \text{Programming} & \xrightarrow{\quad} SQL \\ & \longrightarrow \text{Python; \quad DS-libraries; } \cdots \\ & \qquad e.g: \text{ dataset; Task} \longrightarrow \end{bmatrix}$$

$$\begin{bmatrix} \text{Math} \longrightarrow \text{P\&S; Optimization; high dim geometry} \\ \text{Linear Algebra} \end{bmatrix}$$

$$\begin{bmatrix} \text{ML-breadth} \longrightarrow \text{KNN} - \text{LLM} \\ \text{ML-depth} \longrightarrow \text{NLP/CV/RecSys.. } \longrightarrow \cdots \end{bmatrix}$$

$\longrightarrow$ Culture-fit / bar-raiser

$\longrightarrow$ ML-applications $\longrightarrow$ real-world problem

$\downarrow$

$\checkmark \begin{cases} \text{so + case studies} \end{cases}$

MLE (50% : 50%)

→ DS & Algo ✓

→ LLD or HLD

① Intra-company

↳ Prove yourselves | create-value

→ indispensible key resource

→ 'Networking'

② Startups ⟶ │ product ⟶ Simple (POC) │ ⟶ 2-5 days

initiative

LinkedIn ⟶ Angellist

CV ⟶ github
⟶ Blog
⟶ short 5-min
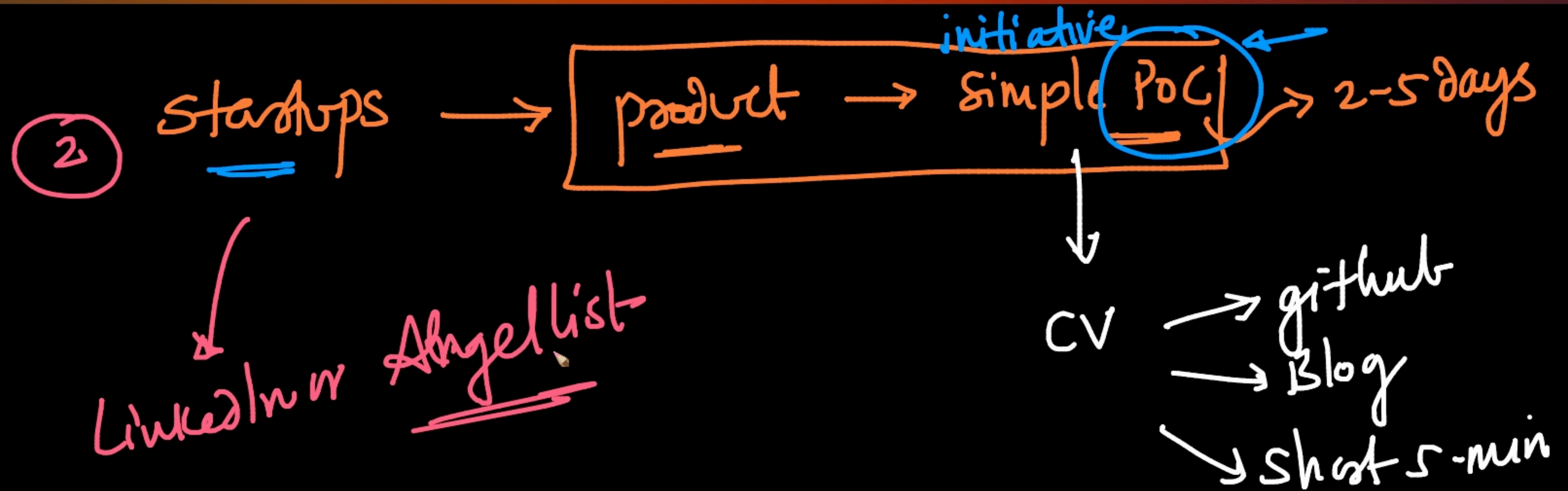
③ [Mckinsey; Bain; BCG $\longrightarrow$ limited DS