

# Expert Hacks: Cracking the Data Science Interview

Anish Mahapatra | 04 April, 2022

# Agenda

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- 01 Introduction
- 02 Why choose Data Science?
- 03 Roles in Data Science
- 04 Move into Data Science
- 05 Strategies to transition (mind-maps)
- 06 Expert Hacks

# Introduction




Senior Data Scientist 🧐

 **LinkedIn:** [www.linkedin.com/in/anishmahapatra](https://www.linkedin.com/in/anishmahapatra)

 **Medium:** [anishmahapatra.medium.com](https://anishmahapatra.medium.com)

 **Website:** [www.anishmahapatra.com](https://www.anishmahapatra.com)

 **GitHub:** [www.github.com/anishmahapatra](https://www.github.com/anishmahapatra)

Q. How to get into Data Science?

A. Simple, ask a real-world Data Scientist.



# Why choose Data Science?

01



## Relevance in the future

Companies are building and growing in Data and it is the future.

02



## Business & Technology

Data Science is a combination of Business, Math and Technology, so growth can be in business / technology

03



## Industry-Agnostic

Use your existing knowledge / domain / technology expertise with a data-edge

04



## Extremely High Market Demand

**Supply-Demand** mismatch means companies are willing to pay more

₹898,897 / year

Avg. Base Salary (INR)



The average salary for a Data Scientist is ₹898,897

Base Salary ⓘ

₹349k - ₹2m

Bonus

₹20k - ₹313k

Profit Sharing

₹5k - ₹484k

Commission

₹36k - ₹246k

Total Pay ⓘ

₹364k - ₹2m

Based on 3,366 salary profiles (last updated Jan 31 2023)

# Roles in Data Science

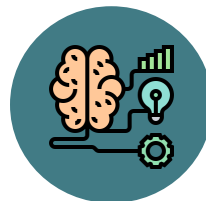
01



## Data Engineer

Data Movement, Building Data pipelines, Quality of Data, Data Governance

02



## Machine Learning Engineer

Experimentation to get output, Modelling, Making the most out of data, Data Analytics

03



## Business Analyst

Client communication & management, Dashboarding & Reporting, Visualization, Decision Making

04



## Data Scientist

Data on the cloud, modelling in all capacities, visualization, presentation to stakeholders, team management

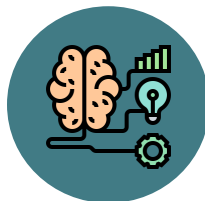
# Tools & Technologies in Data Science



Data Engineer



Google Cloud



Machine Learning Engineer



python



Business Analyst



+a|b|eau



Power BI



Data Scientist

upGrad





# How to move into Data Science

01

## Set Target

Decide the kind of roles to target,  
Talk to people who are doing what you  
want to do

02

## Optimize your resume

Understand how ATS works (keywords),  
Put keywords in your resume (SEO),  
Take feedback on resume

03

## Build LinkedIn Profile

Add certifications, Get recommendations  
Participate in competitions, Do projects,  
Keyword Optimization / SEO

06

## Have high standards

You need to know what you are looking for.  
Money, growth, industry change, career  
trajectory, culture

05

## Globally Accepted Degree (70%)

Globally recognized degree,  
Degree Accepted by MNCs,  
Possibility of PhD later,  
Alumni Status  
Bonus - WES Certification, Teachers from  
the industry

04

## Build Relevant Network

Start writing about Data Science,  
Connect with recruiters, Build a strong base,  
Be active on LinkedIn, Medium  
  
Have real interest, Google & know about the  
latest happenings

# Roles in Data Science

01



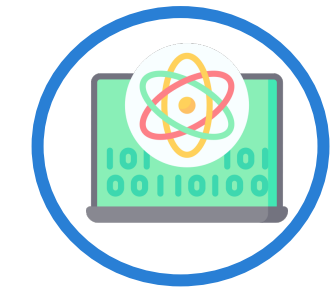
Fresher

02



Experienced in  
Another Domain

03



Move to  
Data Science

04



Grow as a  
Data Scientist



# A glance into your journey once you enroll with a Data Science & Machine Learning course



## Features Offered

## Duration

## Program Phase

Access to job portal

High Performance Coaching

6 months - ∞

Personalised career mentor

LinkedIn Profile and Resume Builder

1:1 Mock Interviews (on request)

3-6 months

Access to job portal

High Performance Coaching

9-12 months

Access to learning platform

Live Sessions with top experts

Daily Doubt Resolution

Personalised Industry Mentorship

Access to Job portal

Soft Skills module

Interview Prep

1:1 Mock Interviews (on request)

0-90 days

Access to learning platform

### Alumni Phase

In this phase, the learners has access to course content for 3 years. Frequent online meetups and sessions on trending topics in the field of Data Science are conducted for all alumnus of upGrad

### Career Phase (3-6 months after program completion)

In this phase, every learner is assigned a career coach to provide to personalised guidance and action plan to achieve the desired outcomes. Mock-interviews can be scheduled on request basis in a very short time.

### In-program Phase

Every week the learner learns a new concept, practices the concept, and clears graded questions at the time of his/her convenience (through recorded videos and upGrad platform). Exams are conducted twice in the entire program to test the learnings and help learners revise the concepts learnt

The learner gets access to job portal and can start applying to the roles of interest. The curriculum is designed in a manner to help gain both hard skills and soft skills to crack the interviews.

### Pre-Launch Preparatory Phase

Once the learner clears entrance test and enrolls into the program, the learner has access to preparatory content to help revise the important concepts and come into the zone of studying and learning



# Learner Journey

A personalised learning journey to deliver target outcomes to learners.

## Features:

- Learning: Online + Live
- Support
  - Academic
  - Non Academic
- Career
  - Career Centre
  - Placement Support
  - 1:1 Mentorship
  - Just in Time Mock Interview

## Features:

- Lifelong Learning
- Career Support
- Peer Networking

## Features:

- High Performance Coaching
- Career Features
  - Career Webinar
  - Just in Time Mock Interview
  - Career Centre
  - Placement Support

## Features:

- Onboarding Call
- Prep Content
- Program Calendar
- Student Manual
- Welcome Webinar

Pre - Program  
Phase

Program Phase

Career  
Phase

Alumni

# Resume Optimization (Demo)



- Showcase of LinkedIn Profile
- Advanced Features of LinkedIn
- Beat the ATS
- Resume Optimization Strategy
- How to find the CTC you deserve?

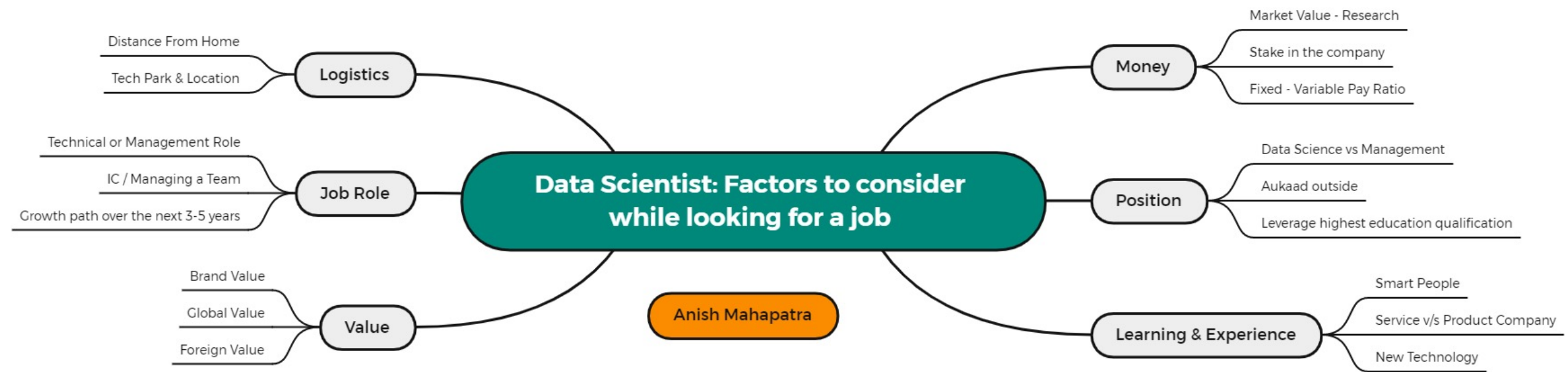
## Demo

Job Search Strategies

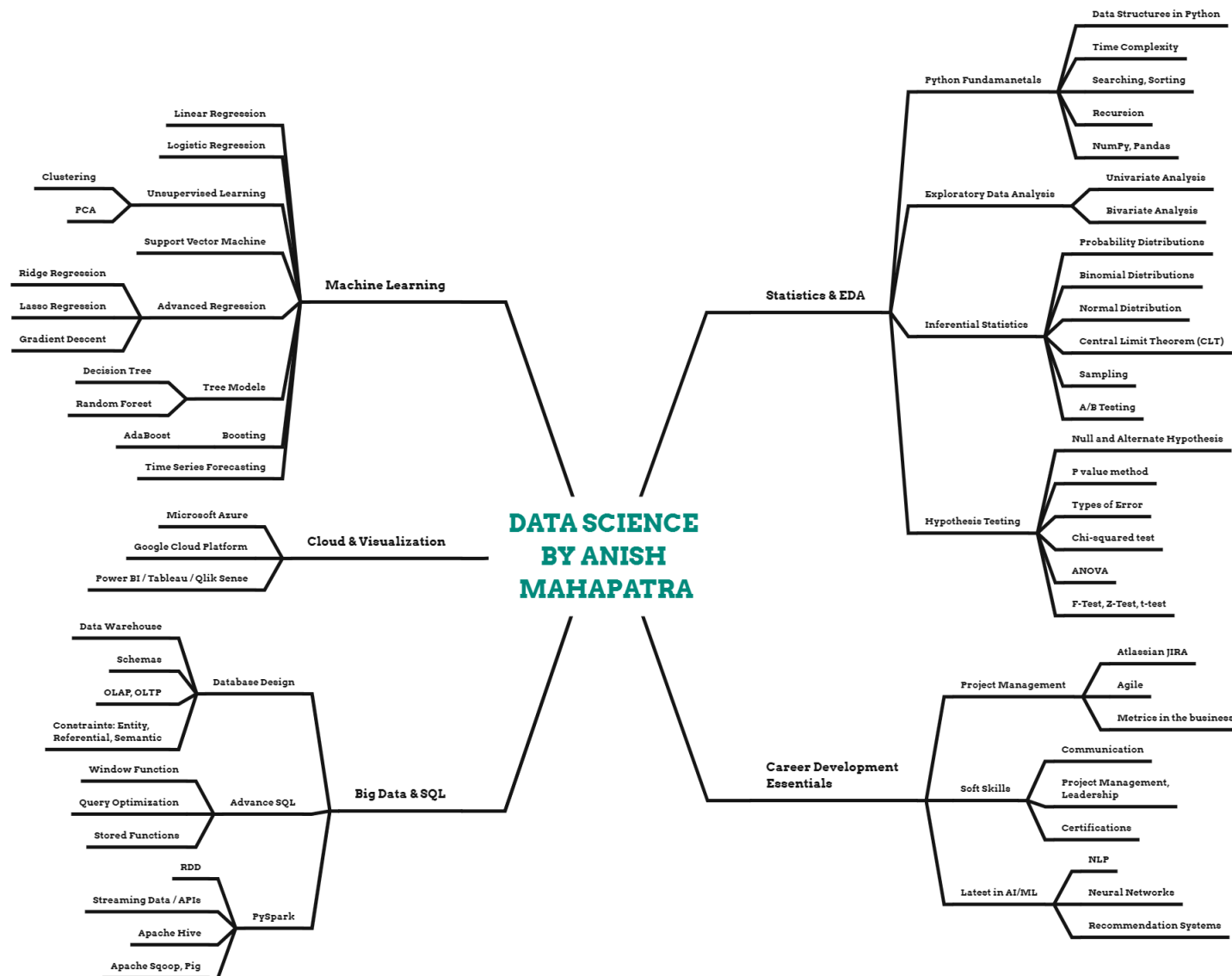
ANISH  
MAHAPATRA

GOOGLE ME.

# Factors to consider while looking for a job



# Plan your Data Science prep



# Expert Hacks

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- 01 Have Templates on Notion
- 02 Send Thank you Email after Interview
- 03 Have an Interview Tracker
- 04 Google *Top 100 Interview Questions* for Data Science, ML, SQL, Python
- 05 Have a Master's Degree
- 06 Be Active & Proactive in replying

# Key Takeaways

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- 01 Introduction
  - Anish Mahapatra
- 02 Why choose Data Science?
  - Highest ROI
- 03 Roles in Data Science
  - DE, MLE, BA, DS
- 04 Move into Data Science
  - Step-by-Step, Global Degree
- 05 Strategies to transition (mind-maps)
- 06 Expert Hacks
  - Pro-tips



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Anish Mahapatra

## Q&A Session

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Thank you.