

A close-up, low-key photograph of a man in a dark suit and light-colored tie, adjusting his tie with his hands. The lighting is dramatic, highlighting the texture of the suit and tie against a dark background.

Career Road Map in Data Science

Anish Mahapatra | 8 November, 2021

Agenda

01 Introduction

02 What is Data Science?

03 Roles in Data Science

04 How to move into Data Science as a Fresher / with experience?

05 Tools & Technologies, job strategies and CTC

06 Q&A Session

Introduction




Senior Data Scientist 🧐

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Q. How to get into Data Science?

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



What is Data Science?

01

Data Access

Identify List of Data Owners,
Request Access,
Maintain Single POC,
Understand current process

02

Data Silos to Data Warehouse

Make Data Dictionary,
Set up Data pipelines,
Make ER Diagram,
Main Analytical Data frame

03

Data Analytics & Modelling

Exploratory Data Analysis,
Business Analytics,
Heuristic, Statistical & ML Models.
Experimentation

06

Business Decisions, Impact Analysis

Model Evaluation,
Monitoring Model Performance and Drift,
Data Governance Policies

05

Data Visualization & Dashboarding

Dashboards to aid decision-making,
Decide concurrency, cadence and security

04

Feature Engineering

Building new features,
Combining external data,
Building a feature store

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

How to move into Data Science

01

Set Target

Understand the Data Field,
Understand roles & responsibilities,
Look at a 5-year path

02

Talk to people

Talk to people who are already
doing what you want to do

03

Build LinkedIn Profile

Add certifications, participate in
competitions,
do simple projects,
look at how the best of the best do it

06

Build Collaterals & Profile (30%)

GitHub, LinkedIn,
Medium, Brand Profiling

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

Explore Certifications

Multiple certifications don't help,
the quality of it does.

Tools & Technologies in Data Science



Data Engineer



Machine Learning Engineer



Business Analyst



Data Scientist

upGrad



Resume Optimization (Demo)



Google



- 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.

Key Takeaways

- 01 Introduction
 - Anish Mahapatra
- 02 What is Data Science?
 - Understood the Data Science Industry
- 03 Roles in Data Science
 - DE, MLE, BA, DS
- 04 Move into Data Science
 - Step by Step explanation
- 05 Tools & Technologies
 - Demo of profile
- 06 Q&A Session
 - Now

Career Road Map in Data Science

Anish Mahapatra

Q&A Session

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Thank you.

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