

DATA SCIENCE CLUB

MEET & GREET

SEPTEMBER 27, 2024 | 04:15 PM



CSE-SEMINAR HALL

*Roadmap to
Data Science*

Networking
Q&A Session

Coordinators:
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Data Science Applications Around Us

Cost of an Uber Ride

Base Price

(considering distance and fuel cost) +

User Rating +

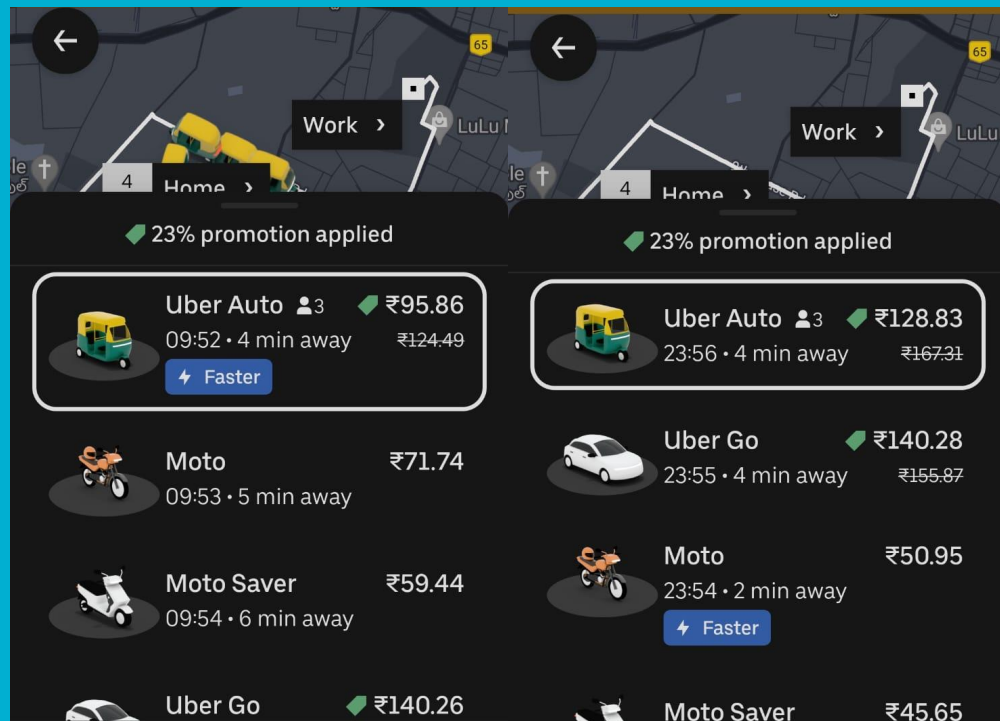
Area Demand +

Time of Ride (Night/Morning) +

Weather (Rain / Cloudy / Sunny) +

Traffic Enroute +

Competitor pricing



09:45

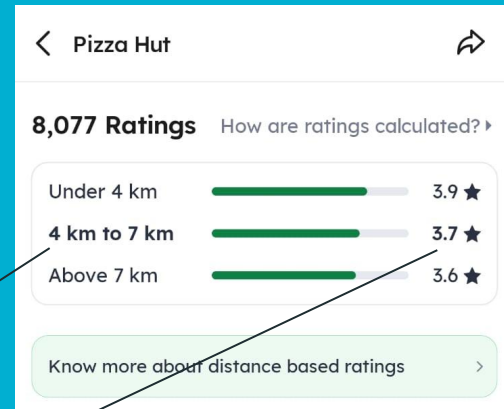
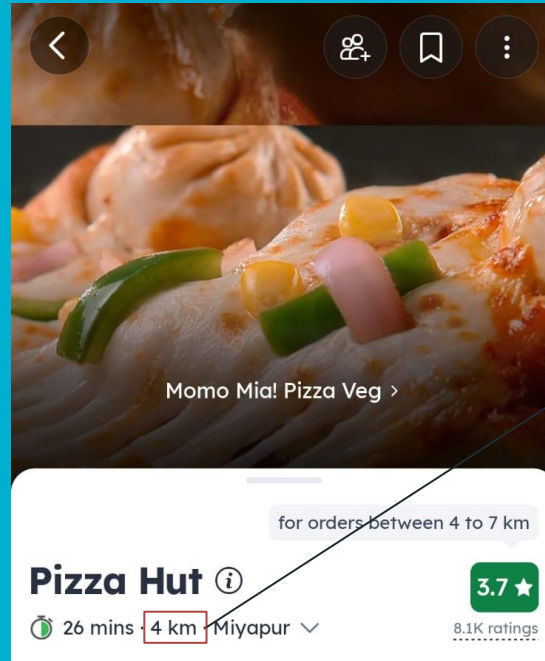
23:45

Zomato - Distance Based ratings

Addresses a vital aspect of dining satisfaction —
TEMPERATURE

Helping users understand the correct ratings based on customers' proximity

Result of good Data Analysis!



If we considered ratings without proximity: $(3.9+3.7+3.6)/3 = 3.7$

Udemy – Personalised Learning Path

Helps you find the best content that meets your learning needs.

Ensures Learning paths & Smart Recommendations

The screenshot displays the Udemy homepage with a personalized learning path for a user named Nandini. The interface includes a top navigation bar with the Udemy logo, a search bar, and links to 'Udemy Business', 'Teach on Udemy', 'My learning', and a shopping cart. Below the navigation bar, a row of category tags is visible: Development, Business, Finance & Accounting, IT & Software, Office Productivity, Personal Development, Design, Marketing, Health & Fitness, and Music.

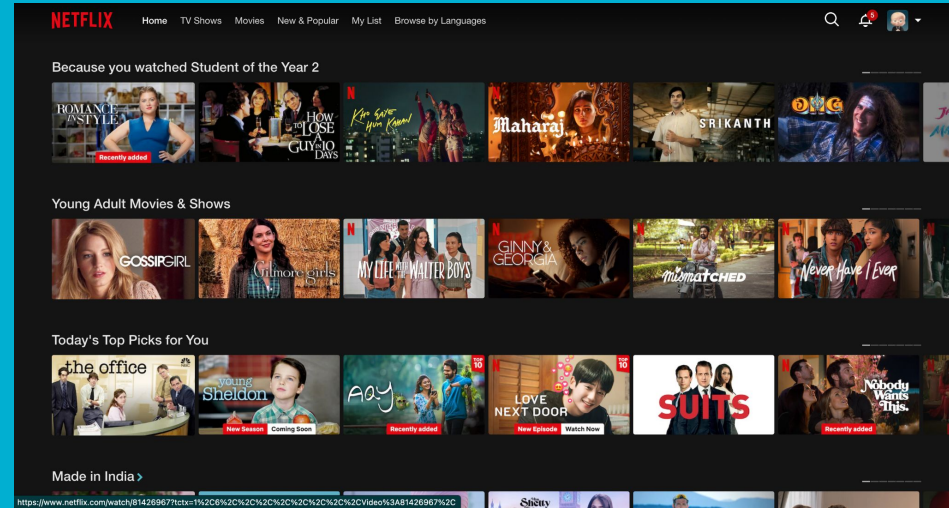
The main content area features a personalized welcome message: 'Welcome back, Nandini' with a 'Data Scientist' tag and a link to 'Edit occupation and interests'. Below this, a section titled 'Popular for Data Scientists' with a link to 'Edit occupation' displays a grid of course recommendations. Each course card includes a thumbnail, title, instructor name, rating, number of reviews, price, and a 'Hot & New' or 'Bestseller' badge.

The 'Learners are viewing' section at the bottom shows another grid of course recommendations, including 'The Complete 2024 Web Development Bootcamp', '[NEW] Ultimate AWS Certified Cloud Practitioner CLF-C02', 'The Complete Python Bootcamp From Zero to Hero i...', 'Ultimate AWS Certified Solutions Architect Associate...', and 'React - The Complete Guide 2024 (incl. Next.js, Redux)'.

Course Title	Instructor	Rating	Reviews	Price	Badge
Complete Data Analyst Bootcamp From Basics To...	Krish Naik, Jayant Toprani, KRISHAL...	4.6	819	₹1,499	Hot & New
Complete Python With DSA Bootcamp + LEETCODE...	Krish Naik, Mayank Aggarwal, KRISHAL...	4.8	163	₹1,999	Hot & New
Python For Data Science A-Z: EDA With Real Exercises	Pruthiviraja L	4.3	1,170	₹1,799	
Python for Data Science Pro: The Complete Mastery Course	Sara Academy	4.5	17	₹1,999	New
Machine Learning A-Z: AI, Python & R + ChatGPT Prize...	Kirill Eremenko, Hadelin de Ponteves...	4.5	190,000	₹3,699	Bestseller
The Complete 2024 Web Development Bootcamp	Dr. Angela Yu, Developer and Lead Instructor	4.7	404,017	₹3,099	Bestseller
[NEW] Ultimate AWS Certified Cloud Practitioner CLF-C02	Stephane Maarek AWS Certified Cloud...	4.7	220,588	₹3,099	Bestseller
The Complete Python Bootcamp From Zero to Hero i...	Jose Portilla, Plurian Training	4.6	818,179	₹3,099	
Ultimate AWS Certified Solutions Architect Associate...	Stephane Maarek AWS Certified Cloud...	4.7	235,288	₹3,099	Bestseller
React - The Complete Guide 2024 (incl. Next.js, Redux)	Academind by Maximilian Schwarzmüller...	4.6	218,275	₹3,699	Bestseller

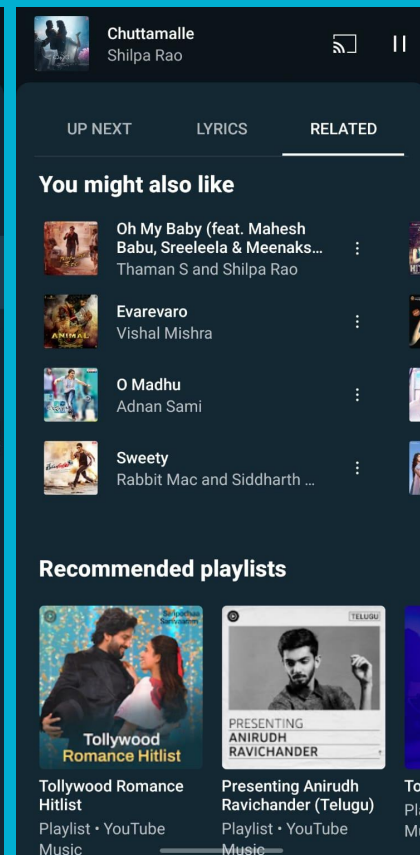
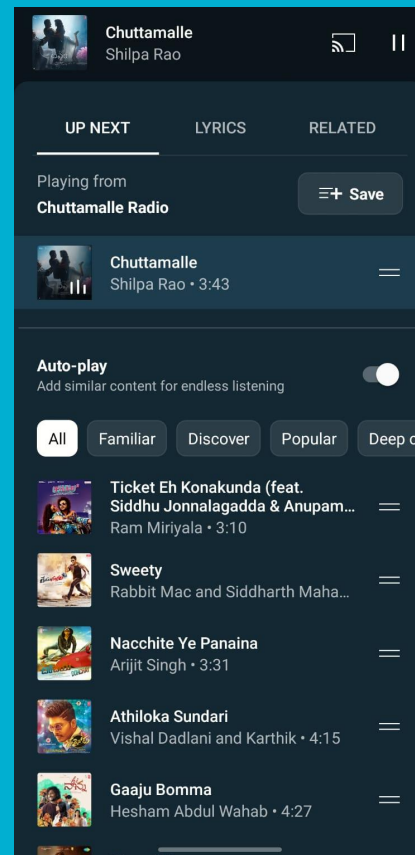
Netflix - Recommendations

- Collaborative Filtering -
User-User & Item-Item
- Content-Based Filtering -
Analyzing the attributes of shows
- Context-Aware Recommendations -
Location, Time, Device, Language



Youtube Music – Recommendations

- Collaborative Filtering -
User-User & Item-Item
- Content-Based Filtering -
Analyzing the attributes of shows
- Context-Aware Recommendations -
Location, Time, Device, Language



What is Data Science?

- Data science is an **interdisciplinary field** that uses statistics, algorithms, and machine learning to **extract knowledge and insights** from structured and unstructured data.
- In simpler terms, data science is about **obtaining, processing, and analyzing data** to gain insights for many purposes.

Kickstart your Data Science Journey!

How can you get started as a Fresher?

1. Python - Basic & DSA
2. Python - Numpy, Pandas, Data Visualization
3. SQL & Database Management System concepts
4. Mathematics of ML
 - Linear Algebra & Calculus (M1/M2)
 - Probability & Statistics (COSM/ASM)

How can you get started as a Fresher?

5. Exploratory Data Analysis (EDA)

6. Machine Learning

7. PROJECTS

8. Deep Learning

9. Gen AI concepts

How can I apply for Data Science roles?

Throughout the year, various renowned internship opportunities and hackathons are held. Some of the most notable ones include:

- Placements in our College
- Research Internships at top IITs and IIITs.
- Amazon ML Summer School & Amazon ML Challenge - Get a chance to interview as an Applied Scientist at Amazon
- Microsoft Research Internships
- and many more.

How you can join us & connect with us

