

ARCH TECHNOLOGIES

Sharpening your hidden skills for a brighter future

Data Science

Data science involves learning to extract insights from complex datasets using tools like Python, R, and machine learning frameworks like TensorFlow or scikit-learn, focusing on statistics, data wrangling, and visualization. You'll learn predictive modeling, data mining, and big data techniques to solve real-world problems. It's important for driving data-informed decisions in industries like healthcare, finance, and technology, enabling innovation and efficiency.

Task 3: Customer Segmentation

Use a customer dataset to group customers into different segments based on their purchasing behavior. Apply clustering techniques like KMeans to identify patterns and describe the characteristics of each segment. Preprocess the data, perform clustering, and visualize the results.

Task 4: Movie Rating Prediction

Using a movie ratings dataset, build a model to predict how a user might rate a movie they haven't seen yet. Preprocess the data, use collaborative filtering or a regression model, and evaluate its performance.

Submission Details:

- Make a ZIP or RAR file of the Code or any related things (if any), or share a GitHub repository link. Email it to submissions.archtech@gmail.com before the 27th of this month.
- For any technical queries or challenges faced during task completion, Email your questions to queries.archtech@gmail.com Our team will do our best to assist you.