

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 master 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 1: Titanic Survival Classification

Use the Titanic dataset, build a machine learning model to predict whether a passenger survived or not based on features like age, gender, ticket class, and fare. Your task is to clean and preprocess the data, train a classification model, and evaluate its performance.

Task 2: Stock Price Prediction

Build a model to predict future stock prices based on historical stock data, including features like opening price, closing price, high, low, and trading volume. Your task is to preprocess the data, choose a suitable model (e.g., linear regression or LSTM), train it, and evaluate its prediction accuracy.

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.