ARCH TECHNOLOGIES

Sharpening your hidden skills for a brighter future

Machine Learning

Machine learning involves learning to build algorithms that enable systems to learn from data, using tools like Python, scikit-learn, or TensorFlow for tasks like classification, regression, and clustering. You'll learn techniques such as supervised and unsupervised learning, model evaluation, and feature engineering. It's important for automating decision-making, powering innovations in fields like healthcare, finance, and autonomous systems, and driving data-driven solutions.

Task 1: Email Spam Classification

Build a machine learning model to classify emails as spam or not spam using a labeled dataset. Your job is to preprocess the email text data, extract important features, and train a model to accurately identify spam emails. Finally, evaluate your model's performance.

Task 2: Mnist Digit Recognition

Use the MNIST dataset of handwritten digit images to build a machine learning model that can recognize and classify digits from 0 to 9. Your task is to preprocess the images, train a model to correctly identify the digits, and evaluate its 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.