

Data Science Project

Instructors:

Sudhanshu Kumar:

Having 8+ years of experience in Big data, Data Science and Analytics with product architecture design and delivery. Worked in various product and service based Company. Having an experience of 5+ years in educating people and helping them to make a career transition.

Curriculum:

Python Project

- web crawlers for image data sentiment analysis and product review sentiment analysis Preview
- Integration with web portal
- Integration with rest api, web portal and mongo db on Azure

Fault detection in wafferes based on sensor data

- Introduction Preview
- The problem statement and data description
- The application flow
- Ingestion and validation part1
- Validation part2
- DB operations
- Data preprocessing
- Clustering

- Model selection and tuning
- Prediction
- Deployment

Cement strength prediction

- Introduction
- The problem statement and data description
- The application flow
- Code intro and logging
- Validation and transformation
- DB operations
- Data preprocessing
- Clustering
- Model selection and tuning
- Prediction
- Deployment

Credit card defaulters

- Introduction
- The problem statement and data description
- The application flow
- Code intro and logging
- Validation and transformation
- DB operations
- Data preprocessing

- Clustering
- Model selection and tuning
- Prediction
- Deployment

Forest cover

- Introduction
- The problem statement and data description
- Application flow
- Code intro and logging
- Validation and transformation
- DB operations
- Data preprocessing
- Clustering
- Model selection and tuning
- Prediction
- Deployment

Income prediction

- Introduction
- The problem statement and data description
- The application flow
- Code intro and logging
- Validation and transformation
- DB operations

- Data preprocessing
- Clustering
- Model selection and tuning
- Prediction
- Deployment

Insurance fraud detection

- Introduction
- The problem statement and data description
- The application flow
- Code intro and logging
- Validation and transformation
- DB operations
- Data preprocessing
- Clustering
- Model selection and tuning
- Prediction
- Deployment

Mushroom classification

- Introduction
- The problem statement and data description
- The application flow
- Code intro and logging
- Validation and transformation

- DB operations
- Data preprocessing
- Clustering
- Model selection and tuning
- Predictions
- Deployment

Phishing classifier

- Introduction
- The problem statement and data description
- The application flow
- Code intro and logging
- Validation and transformation
- DB operations
- Data preprocessing
- Clustering
- Model selection and tuning
- Prediction
- Deployment

Thyroid detection

- Introduction
- The problem statement and data description
- The application flow
- Code intro and logging

- Validation and transformation
- DB operation
- Data preprocessing
- Clustering
- Model selection and tuning
- Prediction
- Deployment

Visibility climate

- Introduction
- The problem statement and data description
- The application flow
- Code intro and logging
- Validation and transformation
- DB operations
- Data preprocessing
- Clustering
- Model selection and tuning
- Prediction
- Deployment