Grow more

TECHNOLINE INDIA PVT. LTD.
LEARN - EARN - GROW

MACHINE LEARNING

CONTENTS

START

1

Learn a programming language
Python and R are currently the most used languages for Data Science, but recently Python has been gaining more momentum.

2

Sharpen your basic skills
Machine Learning is a multi-disciplinary field, so make sure to sharpen your Algorithms, Mathematical and Statistical skills

3

Learn and apply the basic stuff
Learn the basic ML algorithms and techniques and try to apply them to solve small problems. in existing datasets.

4

Reach people with the same interests
You can learn a lot from people with experience, and you can find plenty of them offline. So go to meetups and conventions and make connections.

5

Join competitions
There are plenty of sites that provide ML competitions, Kaggle being the main one. These are great places to build your skills and your reputation.

6

Work on real problems
Until now, most problems you've solved have used predefined datasets. While this is a great way to train, working on real data helps you get a feel for real-world projects and the problems you might encounter.

And it doesn't end here...

SYLLABUS

- # Intro to ML and Data processing ①

  1. Definition and Scope of Machine Learning
  2. Historical Context and Evolution
  3. Types of Machine Learning
  4. Key Applications of Machine Learning
  5. Data Cleaning
  6. Feature Engineering
  7. Data Transformation
  8. Handling Missing Values
  9. Data Normalization and Standardization
  10. Data Splitting: Training, Validation, and Testing Sets

- # Supervised and Unsupervised ②

  1. Regression
  2. Classification
  3. Clustering
  4. Dimensionality Reduction

SYLLABUS

- ## Natural Language Processing (NLP)

  1. Text Preprocessing
  2. Bag-of-Words Model
  3. TF-IDF (Term Frequency-Inverse Document Frequency)
  4. Word Embeddings
  5. Text Classification
  6. Sequence Models

- ## Anomaly Detection

  1. Types of Anomalies
  2. Point Anomalies
  3. Contextual Anomalies
  4. Collective Anomalies
  5. Techniques for Anomaly Detection
  6. Statistical Methods
  7. Clustering-Based Methods
  8. Machine Learning-Based Methods
  9. Isolation Forest

SYLLABUS

- **Ethics and Interpretability in Machine Learning**

1. Ethical Considerations in Machine Learning
2. Bias and Fairness
3. Privacy Concerns
4. Transparency and Accountability
5. Model Interpretability
6. SHAP (SHapley Additive exPlanations)
7. LIME (Local Interpretable Model-agnostic Explanations)
8. Explainable AI (XAI)

About Growmore

Our Mission

To be a leading provider of innovative and high-quality IT training, empowering individuals and organizations to achieve their fullest potential through technology.

Our Vision

To be a leading provider of innovative and high-quality IT training, empowering individuals and organizations to achieve their fullest potential through technology.

Additional Features

Joining Letter

Completion Certificate

Welcome Kit

Experience Letter

REGISTRATION PROCEDURE

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New Batch !

Training Mode

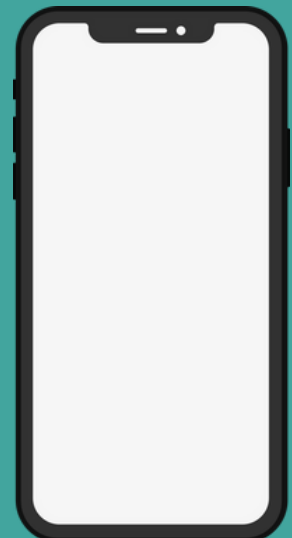**Online Mode** **Offline Mode** **Hybrid**

Registration

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Documentation

1. Adhar Card Copy
2. Pan Card Copy
3. Graduation Certificate.
4. Passport Size Photo (2)

Payment

PROGRAM BENEFITS

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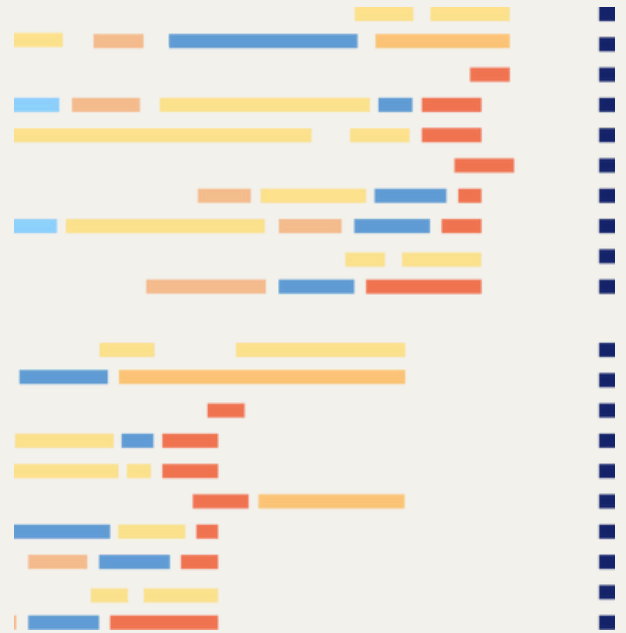- Learning Infra structure
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