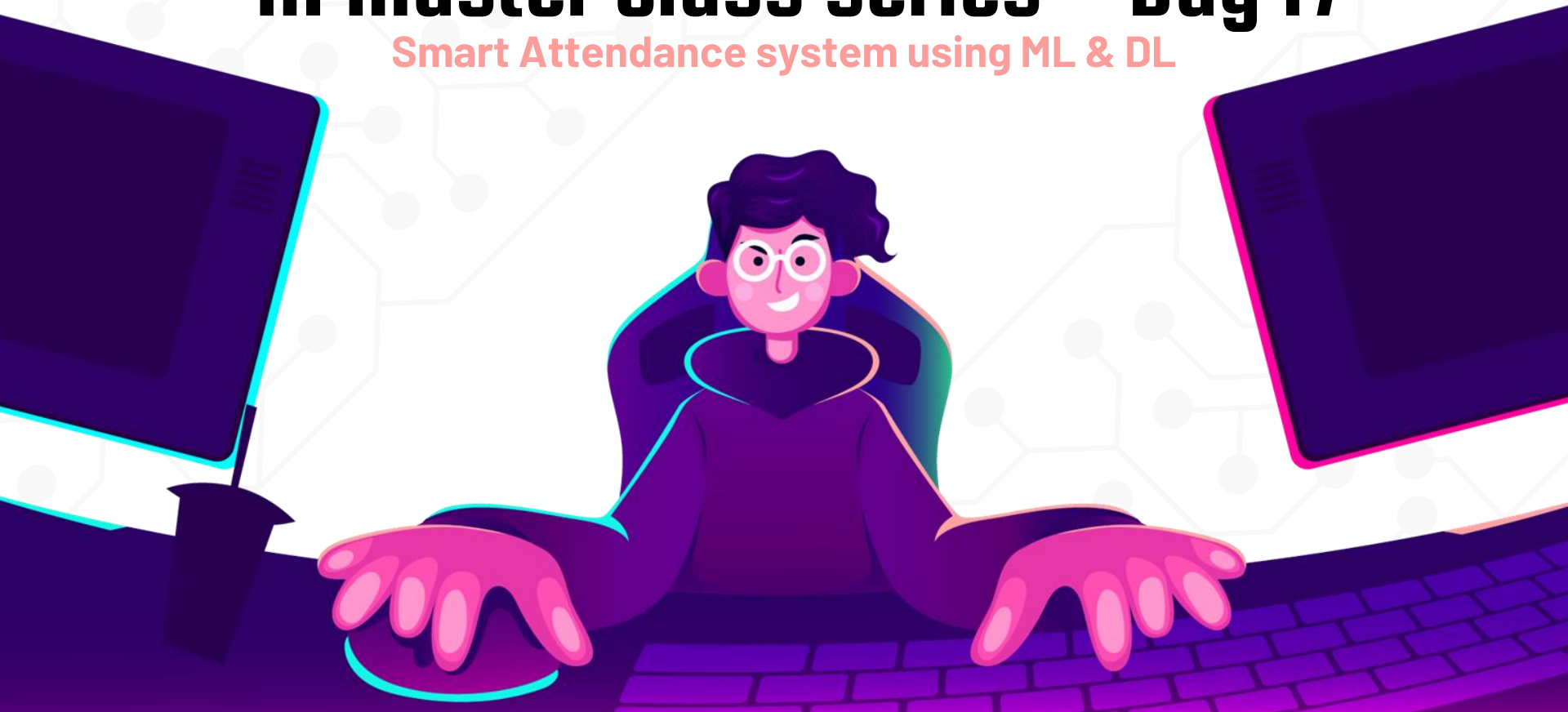




AI Master Class series – Day 17

Smart Attendance system using ML & DL



Day-17 Agenda.

01.

Attendance System

Face Recognition with Attendance system

02.

ML - SVM

Support Vector Machine

03.

Workflow

Workflow of Attendance system

04.

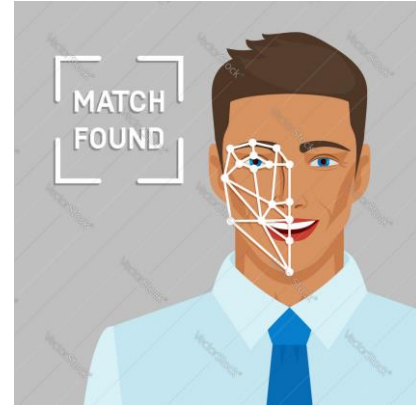
Deploying Face recognition system using ML & DL

05.

Q & A

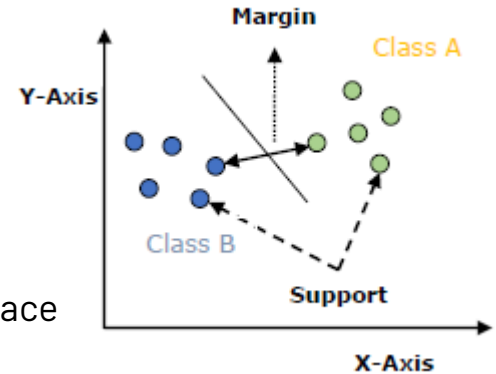
Attendance System.

- Face recognition is a method of identifying or verifying the identity of an individual using their face. Face recognition systems can be used to identify people in photos, video, or in real-time.
- The attendance system will track employee location, time of clocking/out, and the report recorded. The attendance system will then process the data, to produce timesheet reports, lateness reports, absence reports, task and request reports.

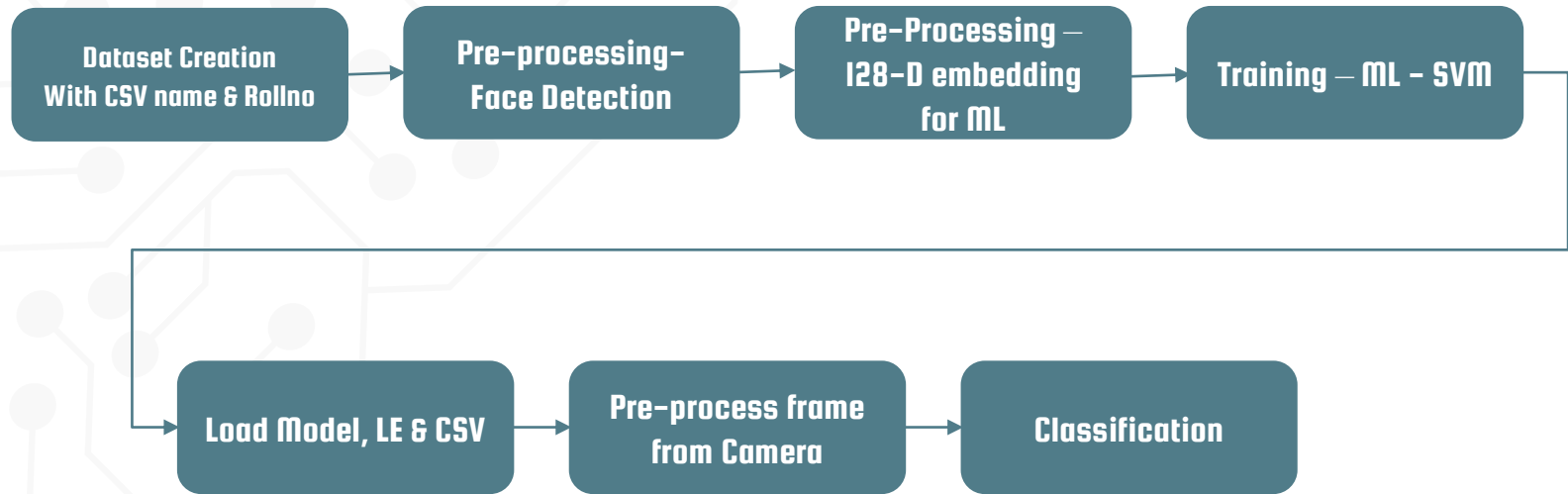


Support Vector Machine – SVM.

- Support vector machines (SVMs) are powerful yet flexible supervised machine learning algorithms which are used both for classification and regression.
- The goal of SVM is to divide the datasets into classes to find a maximum marginal hyperplane (MMH).
- Support Vectors – Datapoints that are closest to the hyperplane is called support vectors. Separating line will be defined with the help of these data points.
- Hyperplane – As we can see in the above diagram, it is a decision plane or space which is divided between a set of objects having different classes.
- Margin – It may be defined as the gap between two lines on the closet data points of different classes. It can be calculated as the perpendicular distance from the line to the support vectors. Large margin is considered as a good margin and small margin is considered as a bad margin.



Block Diagram – Workflow of Attendance System.





Installing Libraries



sklearn: `pip install sklearn`

! PRACTICAL SESSION !

ATTENDANCE SYSTEM





DATASET CREATION





PRE-PROCESSING WITH EMBEDDINGS





TRAINING WITH ML





ATTENDANCE SYSTEM





Shocking Bonus – I

Resume Building

An abstract background pattern of light gray lines and dots, resembling a circuit board or a network diagram, extending from the left side of the image.

Shocking Bonus - 2

LinkedIn Mastery



Shocking Bonus - 3

Personal Branding



Shocking Bonus - 4

Doubt Clarifying Session



Shocking Bonus - 5

Technical Hackathon
-
Do It With the Instructor

Zoom Classes – Group Coaching
(Same Lectures in the Portal)

3 Combo Course is Back

BUY 3 COURSE at Rs.999 Only

Data Analytics + Artificial Intelligence + Machine Learning

Batch-2 Begins

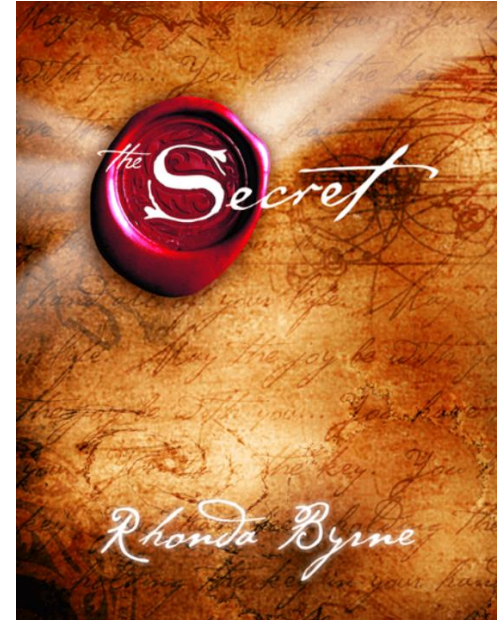
- ✓ Access to all 90 Days Video Lectures (Value ₹12,000)
- ✓ 50+ Projects - From Scratch (Value ₹75,000)
- ✓ 100+ Source Code (Value ₹10,000)
- ✓ Technical Materials (PPT & Mindmap) (Value ₹10,000)
- ✓ Bonus Task, Assignment & Mindset Lectures (Value ₹5,000)
- ✓ Forum Telegram discussion & Support (Value ₹2,000)
- ✓ 3 - Internship E-Certificate on Artificial Intelligence, Machine Learning and Data Analytics

~~Total Value Rs 1,14,000~~

Today Just Rs. 999

Today's Short Bytes — Book Suggestion

- ✓ One of the strongest rules in life is the law of attraction.
- ✓ To manifest your dreams, you must ask, believe, and then receive
- ✓ Thoughts become things





Thanks!

Connect with me on **LinkedIn:**
link in Description

Product & Project:
www.pantechsolutions.net

Course:
Learn.pantechsolutions.net

Tomorrow session

Vehicle Detection

