Let us not have class tomorrow, will take a class on weekend.

- =) Experience
- => Resume + Projects + Dijj. rounds + Dijj inkovieuss

  DSIP + Social Profile + Final HR round \* Almans get on
  + Rejerral + Coreo letter + Assignment
- => Technical Concelets => Python, DS, HL, DL, CV, NLP

Computer Vision + NLP (Notireal Long. Processing)

+t t Resources

### Computer Vision

1] Introduction

Overview & application

- 2) Image Processing
  - =) Image representation (grayscale, color images)
  - =) Image toans for motion (scaling, robation, tourslotton)
  - =) Filkning & Image enhancement
  - 3 Edge delection (Solel, conny)
- 3. Feature Extraction and Description

Keypoint Delection (SURF, SIFT)
DESCRIPTIONS (ORB, BRIFF)

Feature makelying konniques (FLANN)

- 4. Object Detection & Recognition
  - => Sliding Window off rooch
  - ⇒ DL Losed Dugert De Ketin (YOLO, SED,

\$5D, R-CNN)

### 5. I mage Seg mento hom

Thresholding

Clusking (K-means, mean shift)

Region based

Se mantie and Instance beginnentation

## 6. Deep Learning for Cumputer VINTON

- =) CNN
- = Tronsper Learning
- 3) Dota augmentation technique
- =) Architecture: LeNet, Inception

### 7. Advance Topic

- 3 GAN (CAMETATIVE AGVETSIAL NELWORK)
- > I mage Captioning
- 3 3 2 vision & alph eatinotion
- ABV R

### 8. Apply cotion

- > facial ocognition
- 2) Aubnoumous relicle
- >> medical Imaging
- = Industrial automotion

# Natural Language Processing (NLP)

### 1. Inho

- a Deg " and application
- => Challenge in NLP (ambiguity, countret ok.

### 2. Text Processing

- => Tohenization
- 2) Stop word Removal
- 3) Text normalization
- 2 Skuning & lemmalization

### 3. Language Models

- 76I-75 (=
- > n-gram
- 3 Bow
- ar word Embading

### 4. Syntactic Amaleysis

- 7 PUS tagging
- => Dependenday / Constituency parsing

### 5. Semantic Analysis

- =) Nomed Entity Recognition (NER)
- a denument analysis
- => de montre vote louding
- = Word dense disom liquotion

Signence Modelling

RNN

1-5 TM

GRU

Attention mechanism & transformers

#### Machine Translation

Stavistical mochine translation

Neural machine translation (seq 28eq, models, Transform as)

## Speech Rewgnihun & Synthesis

Speech synthesis (TTS, Text-w-speech) Automate Speech recognition (ASR)

### Applications

- -) Sentiment analysis
- Document summorization
- & Injurmation retrieval & search Engines
- =) Chothot

# HR Post Interview Discussion

HR = if the Waget alligns

HR = TRI - TRI - TRI - HR

Juno

10 - 12

Never Stomesse rude behaviour or cogreness

Connect with current employees & get on idea

Glass door

Review Cycle & Port of that

Solary Breamp

13-14

18

Bose solony

Johning / Retential Bonus ) > negotione
Stens

Multiple offers => bolitily