

A metallic robotic arm, resembling a prosthetic or advanced artificial limb, is positioned on the left side of the frame. It has a polished, reflective surface with visible joints and internal mechanisms. The arm is reaching downwards, with its fingers slightly curled. Below it, a human hand is visible, also reaching upwards, with the index finger pointing towards the robotic arm. The background is plain white.

Applications of Machine Learning in Advance Map Creation

July 2017

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Philosophy

Robots
Artificial Neural
Networks
Machines
Artificial
Intelligence
Machine
Learning
Full
Automation

With

Vs

Empower
Human
Augment
Increase
Productivity
Facilitates
Efficiency
Semi
Automation





Applications of ML

Categorization

1. Text from the photographs
2. Image Categorization/Classification
3. Structure Segmentation and Re-construction
4. CBIR (Content Based Image Retrieval)

Specific Use Cases

- Number Plate Masking (ALPR)
- Face obfuscation
- POI – auto-fill (OCR)
- POI – categorization
- Road Edges, Lane Re-construction
- Traffic Sign Detection and Extraction
- Image based search



Plan

- ML, Deep Learning Readiness

- 15th Apr'17 till 15th Jul'17
- Hands on ML and CNN in computer vision, technology survey, feasibility, use cases identification, production workflow planning
- Refer Readme.html for updates

- Use Case Implementations

- 15th Jul'17 till 15th Sep'17
 - 1) Number Plate Masking
 - 2) Number Plate based Image retrieval
- Standalone and Integrated workflow with Internal Tools
- Architecture, Specifications, Workflow documentations