

LOOKING FOR SOMETHING **FASHION?** **DEEP LEARNING** CAN HELP!



shirt



SHOP**AI**.CO



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SHOPAI.CO

Beg 2015

FEP **FACULDADE DE ECONOMIA**
UNIVERSIDADE DO PORTO

SHOP**AI**.CO

2015

FEP FACULDADE DE ECONOMIA
UNIVERSIDADE DO PORTO

FEUP FACULDADE DE ENGENHARIA
UNIVERSIDADE DO PORTO



universidade
de aveiro

SHOP**AI**.CO

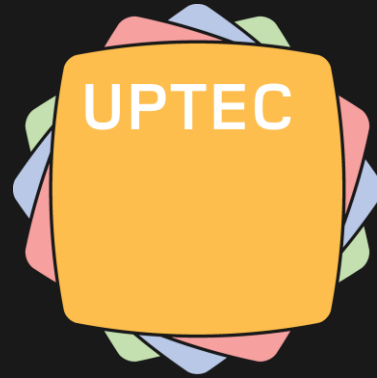
Beg 2017



SHOPAI.CO

Beg 2015

XXI CENTURY

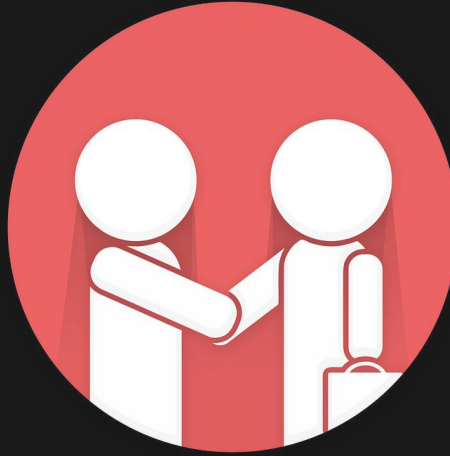


GARAGE COMPANY

SHOPAI.CO

Mid 2017

FIRST CUSTOMER



FROM SOUTH AFRICA

SHOPAI.CO

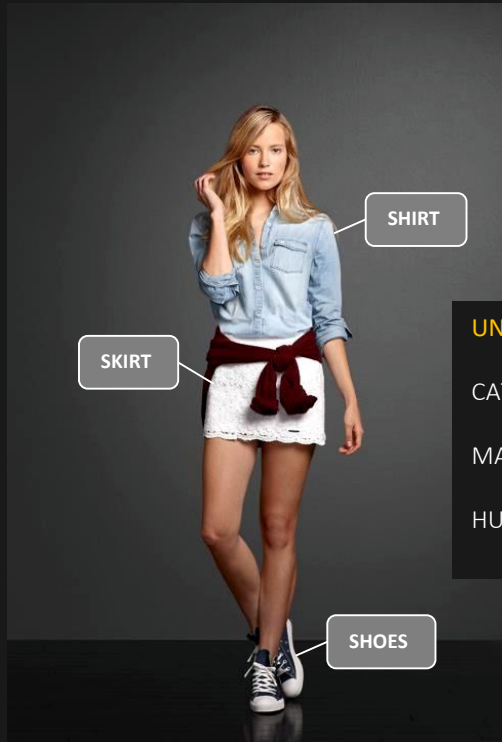
Mid 2017

U.PORTO Spin-off

SHOPAI.CO

Mid 2018

UNDERSTANDING THE PROBLEM



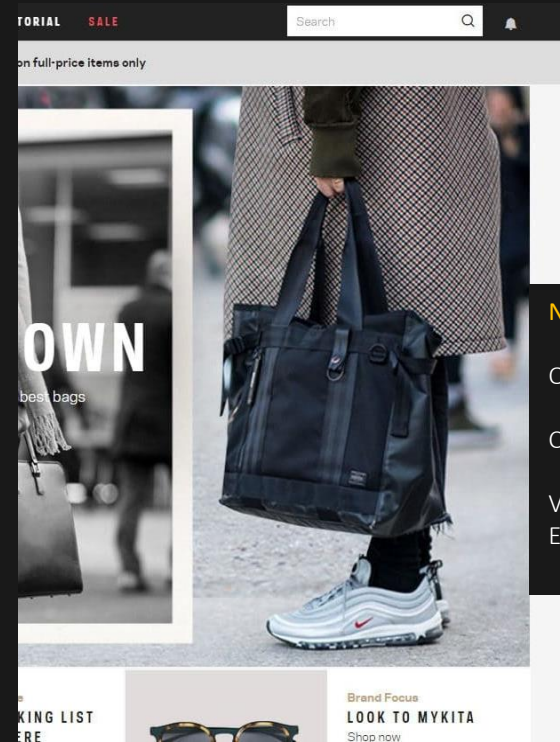
BRAND PERSPECTIVE

UNEFFICIENT VISUAL PROCESSES

CATALOG CLASSIFICATION

MANUAL ANNOTATIONS

HUMAN ERROR



CUSTOMER PERSPECTIVE

NON EXISTING IMAGE SEARCH

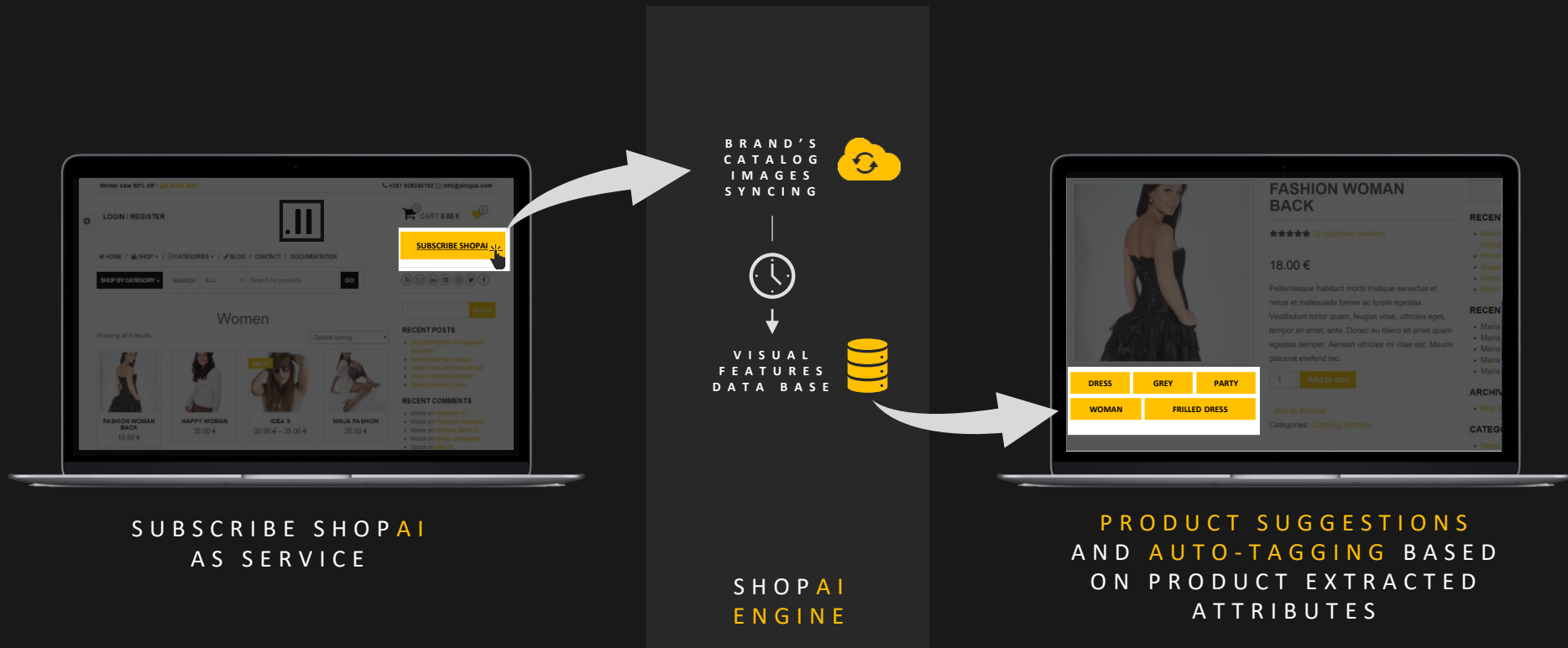
ONLY TEXT INPUT

COMPLEX VISUAL PATTERNS

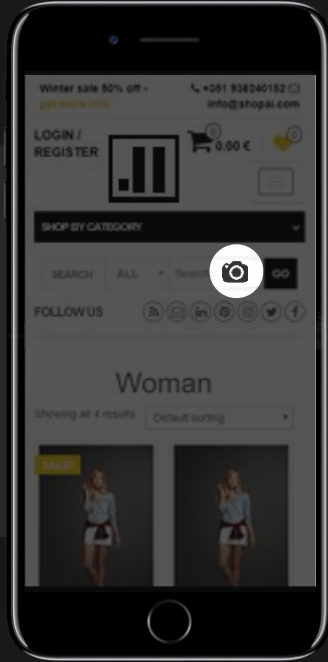
VISUAL FEATURE CATALOG
EXPLORATION

UNDERSTANDING THE BRAND SOLUTION

Based on image processing



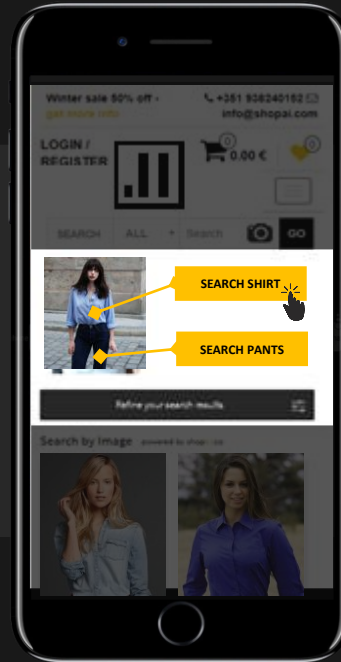
UNDERSTANDING THE CUSTOMER SOLUTION



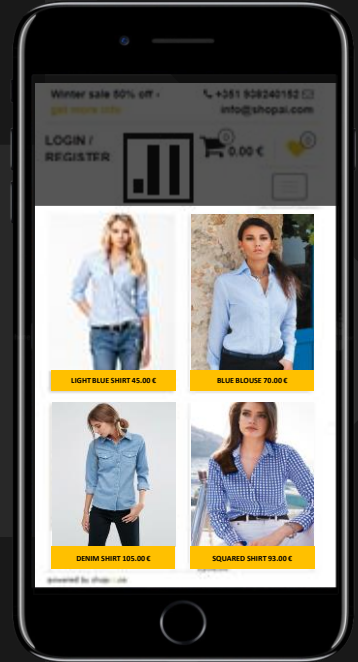
CLICK THE SHOPAI
CAMERA ICON



SHOOT YOUR
FAVOURITE CLOTHE



SEARCH WITH OUR
VISUAL ENGINE



EXPLORE SIMILAR
LOOKS

HOW SHOPAI IS PRODUCTIZING DEEP LEARNING?

PRODUCT USE CASES AND INTEGRATION SERVICES

OUT OF STOCK
ALTERNATIVES

- CATALOG INTEGRATION
- FEATURE EXTRACTION
- MACHINE LEARNING
DISTANCE COMPARISON
- SORTING AND STOCK RULES

TREND BASED
SORTING
&
ASOS "AS SEEN ON
ME"

- SOCIAL NETWORKS
INTEGRATION

YOU ALSO MAY LIKE

- COLOR, SHAPE AND
TEXTURE FILTER

EMBEDDED PLUGINS

- E-COMMERCE PLATFORMS
INTEGRATION

IMAGE BASED
SEARCH ENGINE

- OBJECT RECOGNITION

AUTOMATED
CATALOG
MANAGEMENT

- AUTO-TAGGING MODULE

IMAGE FEATURE
EXTRACTION

OBJECT RECOGNITION

COLOR, SHAPE AND
TEXTURE FILTER

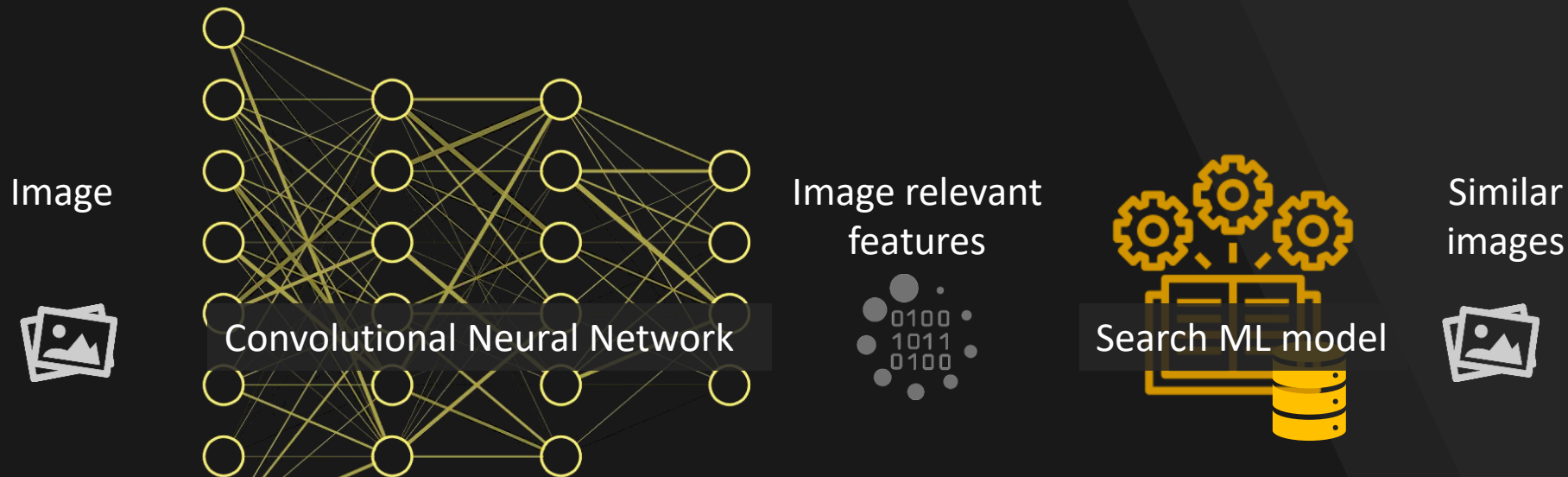
AUTO-TAGGING
MODULE

SOCIAL NETWORKS
MODULE

E-COMMERCE
PLATFORMS
INTEGRATION

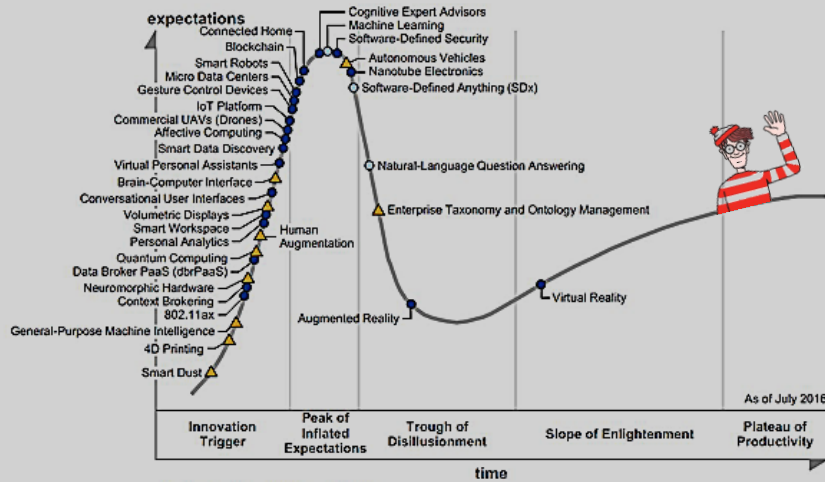
TECHNOLOGICAL
DEVELOPMENTS

VISUAL SEARCH MODULE IS THE CORE OF OUR APP



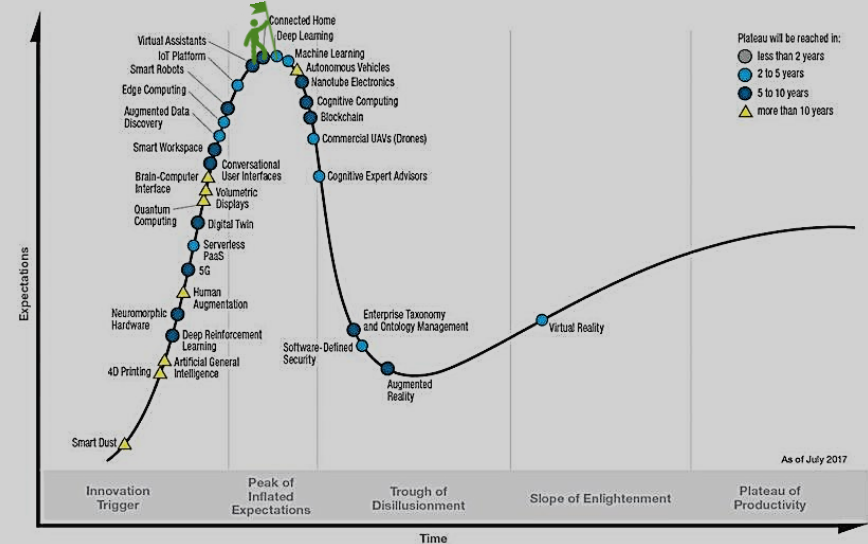
Deep learning? Better search for Wally...

2016



Deep learning? On top of Hype mountain!

2017



Comparing the expectations of the two last years...

RESULTS SIMILARITY MODULE DEMO I

Calling SHOPAI API in a 16.500 SKU database

REQUEST 1
Flip flops



RESPONSE
(3 Similar)



REQUEST 1
Tshirt



RESPONSE
(3 Similar)



RESULTS SIMILARITY MODULE DEMO II

Calling SHOPAI API in a 16.500 SKU database

REQUEST 1
Shoes



RESPONSE
(3 Similar)



REQUEST 1
Tshirt



RESPONSE
(3 Similar)



Log In Wishlist Cart

SEARCH: eg: New white shirt under R500

5 BIGGEST
STORE

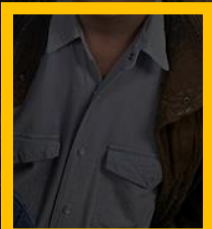
BEST
PRICE

GUARANTEED LOWEST PRICES
IN SOUTH AFRICA



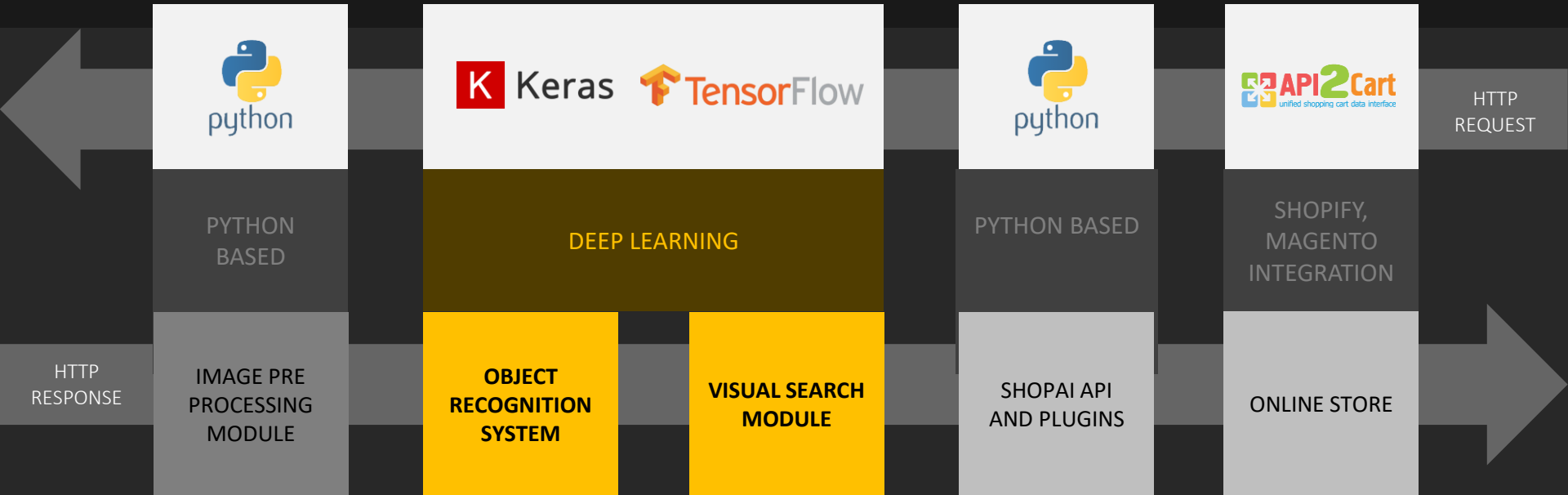
SHOP MEN

OBJECT
RECOGNITION
SYSTEM



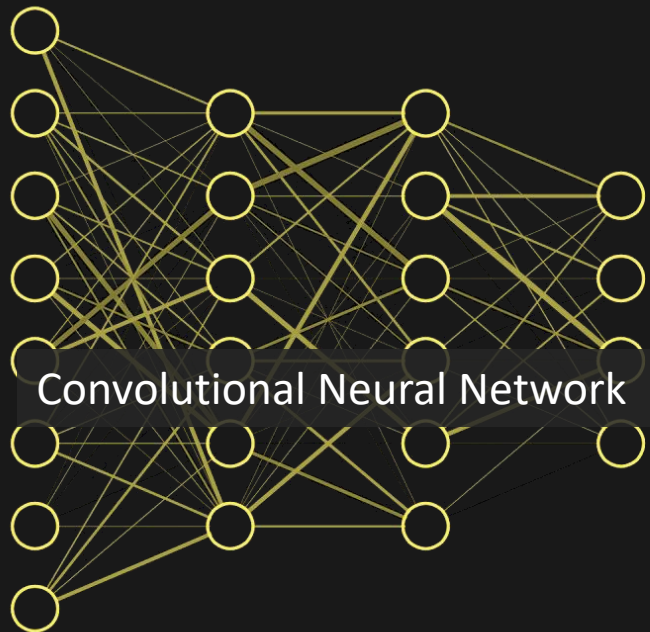
TECHNOLOGICAL OVERVIEW

SHOPAI relies on Deeplearning models to create a multi-layer technology



OBJECT RECOGNITION MODULE

Input Image



Expected Image



THANK YOU!

LET'S GRAB SOME **BEERS** AND CONTINUE TALKING



IMAGE BASED SHOPPING

We are harnessing AI for building image based search engines for fashion brands. See, shoot, search and buy.

WWW.SHOPAI.CO