WE PROVIDE SOLUTIONS
FOR YOUR BUSINESS!

CHAABEN
TECHNOLOGY
GROUP

HTTP://CHAABENGROUP.COM

CHAABEN TECHNOLOGY GROUP
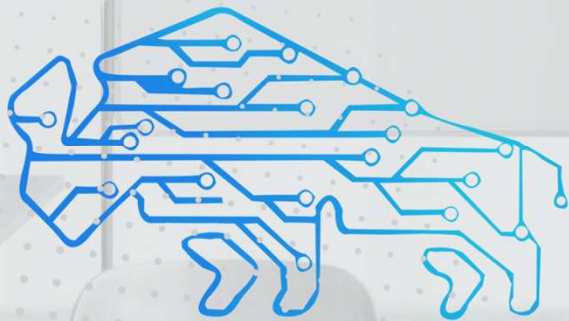
ABOUT US ⠿

CHAABEN TECHNOLOGY GROUP

CHAABEN TECHNOLOGY GROUP IS A TUNISIAN COMPANY SPECIALIZING IN THE FIELD OF IT DEVELOPMENT, BASED ON NEW TECHNOLOGIES SUCH AS MACHINE LEARNING, BIG DATA AND BUSINESS INTELLIGENCE.

CHAABEN TECHNOLOGY GROUP IS A COMPANY CREATED BY A GROUP OF YOUNG STUDENTS, IN 2016, THEY LAUNCHED A STARTUP ON THE NAME OF THE DREAM TEAM IN SFAX ONE YEAR AFTER ANOTHER LABEL ON THE NAME TIK IS LAUNCHED IN SOUSSE.

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OUR SERVICES

WE PROVIDE RELIABLE AND INNOVATIVE DIGITAL SERVICES AND SOLUTIONS.

WEBSITE DEVELOPMENT

CREATION OF WEBSITES, WEB PORTALS, ONLINE SALES SITES (E-COMMERCE), PLATFORM DEVELOPMENT.

BIG DATA

THE LARGE VOLUME OF DATA THAT COMPANIES HAVE TO DEAL WITH.

MOBILE APPLICATION

CREATION OF TAILOR-MADE MOBILE APPLICATIONS THAT WORK PERFECTLY ON ALL EXISTING PLATFORMS
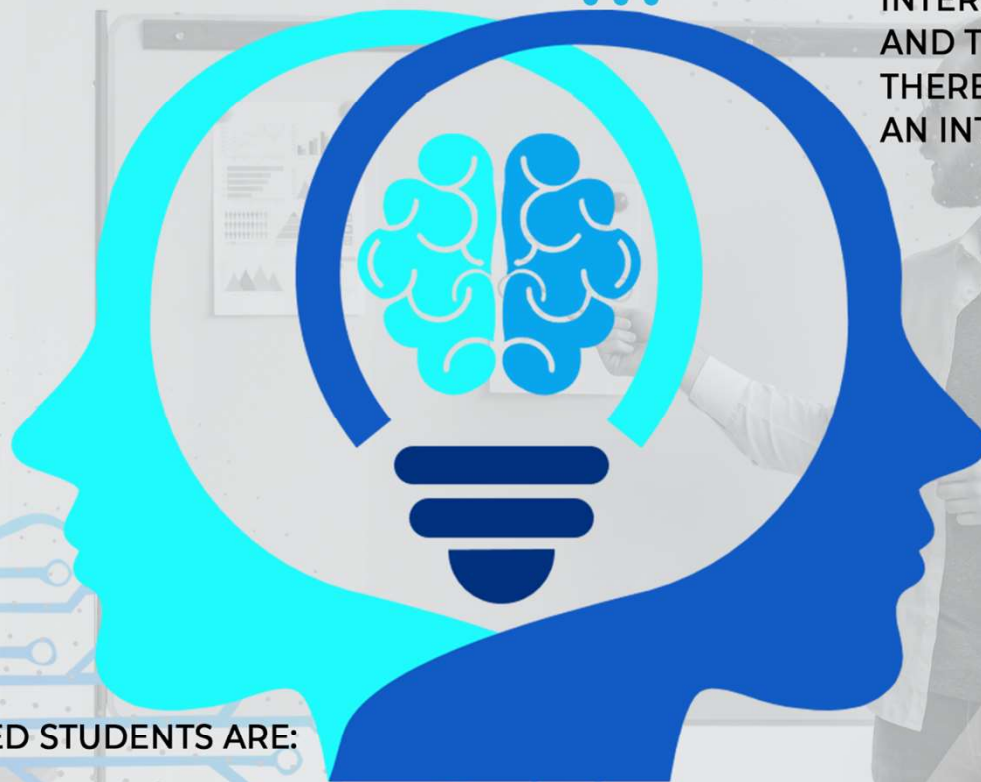
ARTIFICIAL INTELLIGENCE

A TOTAL SECURITY TO PROTECT THE DATA.

CHAABEN TECHNOLOGY GROUP

THIS CATALOG CONTAINS SEVERAL
SUBJECTS DEDICATED TO IT SPECIALTIES,
NETWORKS AND DESIGN.

INTERNSHIPS ARE AVAILABLE IN SFAX, SOUSSE
AND TUNIS IN OUR PREMISES OTHERWISE
THERE IS A POSSIBILITY OF TAKING
AN INTERNSHIP ONLINE.

THE TARGETED STUDENTS ARE:
- ENGINEER
- MASTER
- LICENSE
- PFA PROJECT

LIST OF PROJECTS PROPOSED

1ST SECTION
ROBOTICS / IOT

CHAABEN TECHNOLOGU GROUP

01- DRONE COMPTER

DESCRIPTION

A drone that take pictures, videos and live streaming with object detection.

KEYWORDS

IoT, Fly Sky, Raspberry

TECHNICAL

- ❖ System: Linux, Android, Raspbian
- ❖ Programming language: Python, Arduino, NodeJS, Web/Mobile technologies
- ❖ Materiel: Drone, Arduino, GPS, Raspberry, Camera V2

02- ROBOT INDUSTRY

DESCRIPTION

System for detecting defects in parts by artificial intelligence.

KEYWORDS

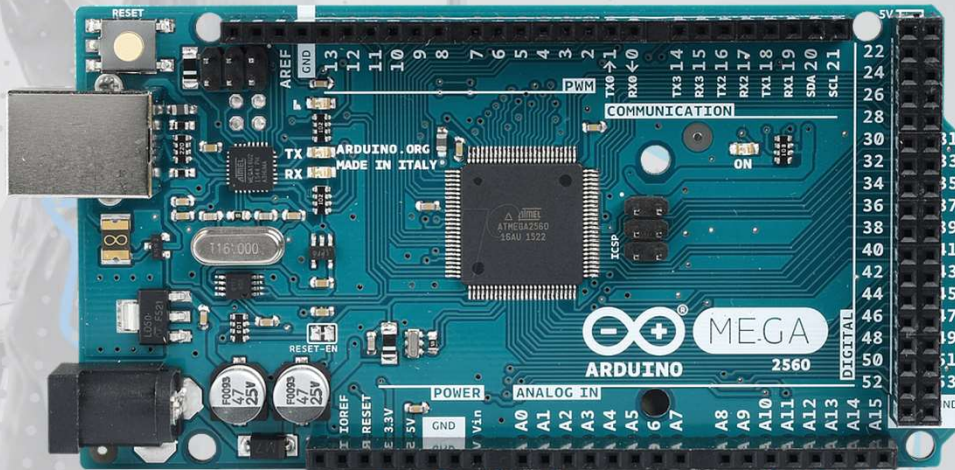Classification, Computer Vision, Open CV

TECHNICAL

- ❖ System: Linux, Raspbian
- ❖ Programming language: Python
- ❖ Materiel: Raspberry pi4, Raspberry pi Camera V2

03- CARD PRINTING CONTROL

DESCRIPTION

System for detecting defects microchip by artificial intelligence.

KEYWORDS

Classification, Computer Vision, Open CV

TECHNICAL

❖ System: Linux, Raspbian
❖ Programming language: Python
❖ Materiel: Raspberry pi4, Raspberry pi Camera V2

04- INTELLIGENT AGRICULTURE SYSTEM

DESCRIPTION

System for detecting the need for water, temperature and humidity.

KEYWORDS

IOT, AGRICULTURE, CLOUD

TECHNICAL

- ❖ System: Linux, Raspbian
- ❖ Programming language: HTML5, CSS3, JS6, Arduino, Python.
- ❖ Materiel: Raspberry, Arduino, GPS, DHt11,22.

05- FALSE INFRASTRUCTURE DETECTOR

DESCRIPTION

Intelligent system for detecting holes in the street.

KEYWORDS

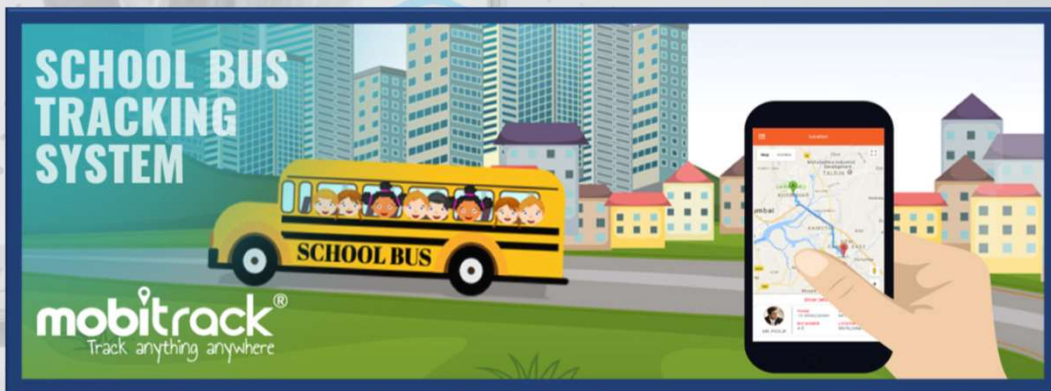Iot, Big Data, Cloud, Embedded system.

TECHNICAL

- ❖ System: Linux, Raspbian
- ❖ Programming language: HTML5, CSS3, JS6, Arduino, Python.
- ❖ Materiel: Raspberry, Arduino, GPS, Accelerometer.

06- WHERE IS MY BUS

DESCRIPTION

A system that helps to know the exact position of the bus.

KEYWORDS

Iot, Big Data, Map, Monitor your bus, Notification, booking.

TECHNICAL

- ❖ System: Linux, Raspbian
- ❖ Programming language: JAVA, HTML5, CSS3, JS6,
- ❖ Arduino, Shell, Python.
- ❖ Materiel: Raspberry, Arduino, GPS.

07- SMART GUARDIAN ROBOT

DESCRIPTION

Smart Guardian Robot that ensure security for facility using Machine learning, Deep learning, Computer vision.

KEYWORDS

Iot, Big Data, Map, Monitor your bus, Notification, booking.
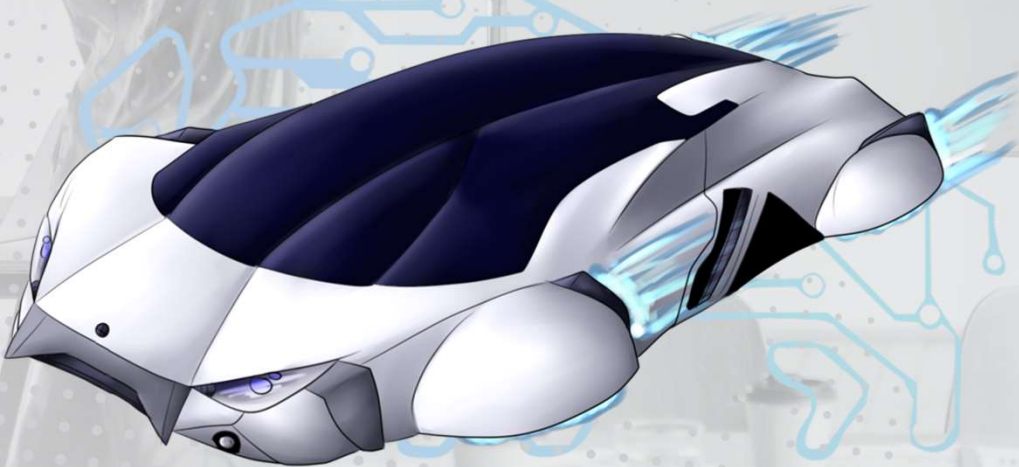
TECHNICAL

- ❖ System: Linux, Raspbian
- ❖ Programming language: JAVA, HTML5, CSS3, JS6,
- ❖ Arduino, Shell, Python.
- ❖ Materiel: Raspberry, Arduino, GPS.

08- SMART CAR

DESCRIPTION

Autonomous car that is capable of sensing its environment and moving safely with little or no human help using Machine learning, Deep learning, Computer vision, IA.

KEYWORDS

Iot, Smart Robot, Auto drive, Notification, Live Streaming.

TECHNICAL

- ❖ System: Linux, Raspbian
- ❖ Programming language: Open CV, Shell, Python.
- ❖ Materiel: Raspberry, Camera V2 Raspberry, Arduino, Smart Car Caisse, Radar ultrasonic, …

09- SMART HOME

DESCRIPTION

A smart home is a home setup where internet-enabled appliances and devices can be automatically controlled remotely using a networked device using Machine learning, Deep learning, Computer vision, IA

KEYWORDS

Iot, Smart Home, Smart Sensor Connected, Smart Phone Application, Notification, Live Streaming.

TECHNICAL

- ❖ System: Linux, Raspbian
- ❖ Programming language: C, C++, Shell, Python.
- ❖ Materiel: Raspberry, Camera V2 Raspberry, Arduino, Radar ultrasonic, ...

10- SMART MENU

DESCRIPTION

A menu that enables customers to order the food from a smart table using Machine learning, Deep learning, Computer vision, IA.

KEYWORDS

Smart Menu, Foods, Business intelligence, Real time system, Live Streaming.

TECHNICAL

- ❖ System: Linux, Raspbian
- ❖ Programming language: C, C++, Shell, Python.
- ❖ Materiel: Raspberry, Camera V2 Raspberry, Raspberry screen, ...

11- SMART TAXI

DESCRIPTION

A system that helps to know your position and the fees of your trip.

KEYWORDS

Smart TAXI, Maps, GPS, Find my TAXI, Live cours compteur.

TECHNICAL

- ❖ System: Raspbian
- ❖ Programming language: C, C++, Shell, Python.
- ❖ Materiel: Raspberry, Raspberry screen, ….

12- SMART BRACELET MEDICAL

DESCRIPTION

A medical bracelet that allows patient observations to be made with a web application including clinic management.

KEYWORDS

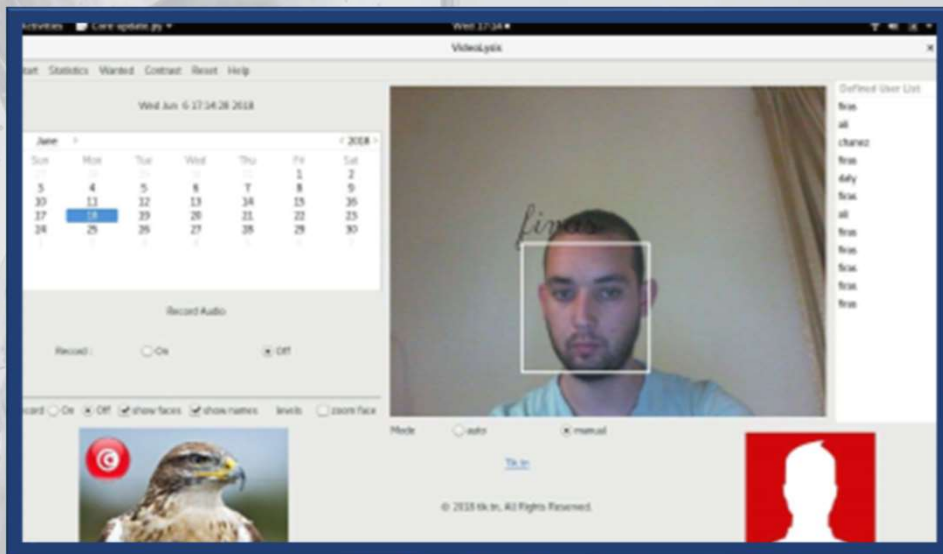Smart Bracelet Medical, Medical, IoT, Real Time heart Rapport, GPS..

TECHNICAL

❖ System: Linux, Raspbian, Android.

❖ Programming language: C, C++, Shell, Python.

❖ Materiel: Raspberry, Arduino, Kit Heart Medical Arduino.

13- FALCON TUNISIA

DESCRIPTION

A security system that manages the employers pointing using Machine learning, Artificial intelligence

KEYWORDS

Falcon Tunisia, Smart Robot, Face Reconnaissance, notification, Live Streaming.

TECHNICAL

- ❖ System: Linux, Raspbian.
- ❖ Programming language: C, C++, Shell, Python.
- ❖ Materiel: Raspberry, Camera V2 Raspberry, Arduino, ...

14- PLATE RECOGNITION

DESCRIPTION

A system that recognizes cars plate and identify it to do the actions required using Open CV, Machine learning, Artificial intelligence

KEYWORDS

Plate Recognition, Smart Robot, Access Permission, notification, Live Streaming.

TECHNICAL

- ❖ System: Linux, Raspbian.
- ❖ Programming language: C, C++, Shell, Python, OpenCV.
- ❖ Materiel: Raspberry, Camera V2 Raspberry, ….

15- MONITORING MY CITY

DESCRIPTION

Smart city projects are to meet the needs of present generations without threatening the ability of future generations.

KEYWORDS

Monitoring My City, Data Collection, Statistics, notification, Live Streaming.

TECHNICAL

❖ System: Linux, Raspbian.

❖ Programming language: C, C++, Shell, Python, OpenCV.

❖ Materiel: Raspberry, Camera V2 Raspberry, Arduino, Smart Car

❖ Caisse, Radar Ultrasonic, …

16-SMART TRASH

DESCRIPTION

Create a "smart trash can" to notify the agency when it is full.

KEYWORDS

Smart trash, Data Collection, Statistics, Notification, Position.

TECHNICAL

- ❖ System: Linux, Raspbian.
- ❖ Programming language: C, C++, NodeJS.
- ❖ Materiel: Arduino, Level sensor, GPS, GSM module, …

17- EMPLOYEE MONITORING

DESCRIPTION

Create a "track field employees" to follow the employers and assign missions for each employee from the website.

KEYWORDS

Employee Monitoring, Data Collection, Statistics, Notification, Live Streaming.

TECHNICAL

- ❖ System: Linux, Raspbian.
- ❖ Programming language: C, C++, NodeJs, HTML5, CSS3, JS6, ...
- ❖ Materiel: Arduino, GPS, ...

18- CAR DISTANCE DETECTION SYSTEM

DESCRIPTION

This system detects the distance between the car and rear obstruction with ultrasonic sensors installed at the rear bumper of the car. It can detect the rear or the front obstruction for the car.

KEYWORDS

Detection System, Data Collection, Statistics, Notification.

TECHNICAL

❖ System: Linux, Raspbian.

❖ Programming language: C, C++, NodeJs, HTML5, CSS3, JS6, ...

❖ Materiel: Raspberry, Parking Sensors, LED Distance Display, Sound Warning, ...

2ND SECTION
RÉSEAU & SÉCURITÉ

CHAABEN TECHNOLOGU GROUP

1- Y-COIN

DESCRIPTION

Bitcoin is a digital or virtual currency that uses peer-to-peer technology to facilitate instant payments.

KEYWORDS

Y-Coin, Smart Money Bit, BlockChain.

TECHNICAL

- ❖ System: Linux.
- ❖ Programming language: C, C++, Shell, Python.
- ❖ Materiel: None.

3RD SECTION
DATA SCIENCE & MACHINE LEARNING

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1- MEDICAL STAFF

KEYWORDS

Medical Staff, Medical.

DESCRIPTION

Machine learning, Deep learning,
Computer vision, IA.

TECHNICAL

- ❖ System: Linux.
- ❖ Programming language:
  Shell, Python, OpenCV.
- ❖ Materiel: None.

2- CHATBOT MESSENGER ADVISOR

DESCRIPTION

A chatbot is a software application used to conduct an on-line chat conversation via text or text-to-speech, in lieu of providing direct contact with a live human agent.

KEYWORDS

Collection Data, Training model, Testing Model, Integration FB Messenger.

TECHNICAL

❖ System: Linux.

❖ Python, Flask, TensorFlow.

❖ Materiel: None.

4TH SECTION WEBSITE

CHAABEN TECHNOLOGU GROUP

1-RECRUTE.COM

DESCRIPTION

Design and development of a dynamic and secure website for a recruitment site. This site contains two main sections, customer section e-commerce site, administrative section to find job offers.

KEYWORDS

Recrute.Com, Data Collection, Statistics, Find Jobs, Find Workers.

TECHNICAL

❖ Web Technologies: HTML5, CSS3, JS6.

❖ Framework: Python, Django OR Laravel OR NodeJS, ...

❖ Base de données: sql OR no sql (mongodb).

www://

2-FLAGS.COM

DESCRIPTION

Design and development of a dynamic and secure website for the Tunisian flag manufacturing company. This site contains two main sections, customer section e-commerce site, administrative section product and order management....

KEYWORDS

Flags.Com, Data Collection, Statistics, Find flags, ...

TECHNICAL

❖ Web Technologies: HTML5, CSS3, JS6.

❖ Framework: Python, Django OR Laravel OR NodeJS, ...
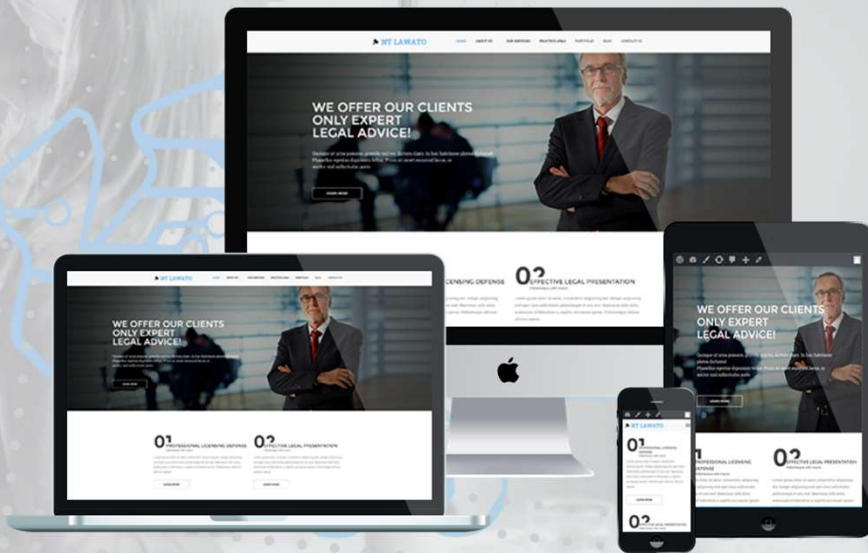
❖ Base de données: sql OR no sql (mongodb).

www://

3-LAZADA.COM

DESCRIPTION

Design and development of a dynamic and secure website for an online store. This site contains two main sections, customer section e-commerce site, administrative section product and order management...

KEYWORDS

Lazada.Com, Data Collection, Statistics, Find clothes, ...

TECHNICAL

❖ Web Technologies: HTML5, CSS3, JS6.

❖ Framework: Python, Django OR Laravel OR NodeJS, ...
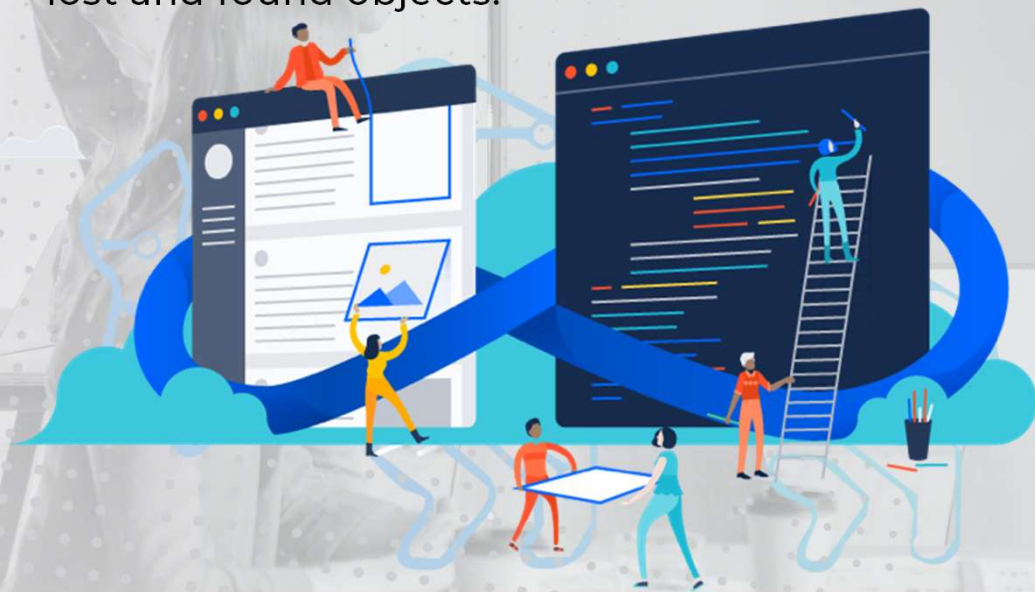
❖ Base de données: sql OR no sql (mongodb).

4-LOST AND FOUND

DESCRIPTION

Design and development of a dynamic and secure website for an online store. This site contains two main sections, e-commerce site customer section, administrative section to find lost and found objects.

KEYWORDS

Lost and Found, Data Collection, Statistics, Find Lost property, Notification, ...

TECHNICAL

- ❖ Web Technologies: HTML5, CSS3, JS6.
- ❖ Framework: Python, Django OR Laravel OR NodeJS, ...
- ❖ Base de données: sql OR no sql (mongodb).

5-SAMSARA.TN

DESCRIPTION

Design and development of a dynamic and secure website for an online store. This site contains two main sections, customer section e-commerce site, administrative section to post announcements of sale, rental and purchase.

KEYWORDS

Samsara.tn, Data Collection, Sell, Buy, Sponsoring / Publicity, ...

TECHNICAL

❖ Web Technologies: HTML5, CSS3, JS6.

❖ Framework: Python, Django OR Laravel OR NodeJS, ...

❖ Base de données: sql OR no sql (mongodb).

www://

6-BOOKING.TN

DESCRIPTION

Design and development of a dynamic and secure website for an online store. This site contains two main sections, customer section e-commerce site, administrative section for consultation and reservation.

KEYWORDS

Booking.tn, Data Collection, Reservation Hotel, Rend Car, Billie Festival/Airports, …

TECHNICAL

❖ Web Technologies: HTML5, CSS3, JS6.

❖ Framework: Python, Django OR Laravel OR NodeJS, …

❖ Base de données: sql OR no sql (mongodb).

www://

7-BOURCE.TN

DESCRIPTION

Design and development of a dynamic and secure website for an stock Exchange. This site contains two main sections, customer section e-commerce site, administrative section for monitoring the state of the stock market.

KEYWORDS

Bourse.tn, Data Collection, Statistics, Notification, Sell Buy, ...

TECHNICAL

❖ Web Technologies: HTML5, CSS3, JS6.
❖ Framework: Python, Django OR Laravel OR NodeJS, ...
❖ Base de données: sql OR no sql (mongodb).

www://

1-CIAO SPACE

DESCRIPTION

Design and development of a dynamic and secure mobile application for restaurants. This application contains two main sections, customer section e-commerce site, administrative section to find the best restaurant by indicating the menu, location and top plates.

ANDROID

KEYWORDS

Ciao Space, Find Resteaux, Find Lounge, Statistics, Sell Buy, ...

TECHNICAL

❖ Web Technologies: HTML5, CSS3, JS6.

❖ Framework: JAVA Android, Cordova.

❖ Base de données: sql OR no sql (mongodb).

ANDROID

2-ALO TAXI

DESCRIPTION

Design and development of a dynamic and secure mobile application for taxis. This application contains two main sections, the customer section and the administrative section, to find out the taxi nearby.

TECHNICAL

- ❖ Web Technologies: HTML5, CSS3, JS6.
- ❖ Framework: JAVA Android, Cordova.
- ❖ Base de données: sql OR no sql (mongodb).

3-ALO SERVICE

DESCRIPTION

Design and development of a dynamic and secure mobile application. This application contains two main sections, the customer section and the administrative section, for all repairs and maintenance.

ANDROID

KEYWORDS

ALO Service, Find Worker, Breakdown, Fast Service, ...

TECHNICAL

- ❖ Web Technologies: HTML5, CSS3, JS6.
- ❖ Framework: JAVA Android, Cordova.
- ❖ Base de données: sql OR no sql (mongodb).

4-SELL YOUR SMILE

DESCRIPTION

Rest API, Web Service, Cloud, BI.

ANDROID

KEYWORDS

Sell Your Smile, Selfie Every Day, Win 1$ For best Smile, Statistics, Data Collection, ...

TECHNICAL

- ❖ Web Technologies: HTML5, CSS3, JS6.
- ❖ Framework: JAVA Android, Cordova.
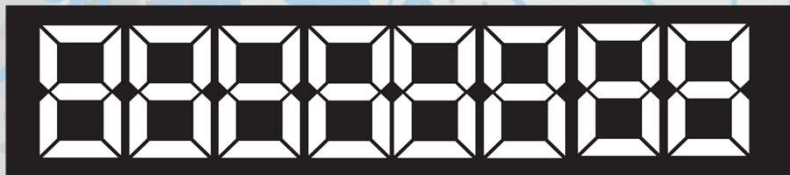- ❖ Base de données: sql OR no sql (mongodb).

5-DEVIS CHANGER COMMUNITY

DESCRIPTION

Design and development of a dynamic and secure mobile application. This application contains two main sections, the customer section and the administrative section, for all devis changer.

KEYWORDS

Devis Changer Community, Peer to Peer Money Changer, Statistics, Sell Buy, …

TECHNICAL

❖ Web Technologies: HTML5, CSS3, JS6.

❖ Framework: JAVA Android, Cordova.

❖ Base de données: sql OR no sql (mongodb).

CHAABEN TECHNOLOGY GROUP

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