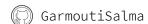
# Salma Garmouti

## Software Engineering Student









salma\_garmouti@um5.ac.ma



0645682995

## **EXPERIENCE**

#### AI/BACKEND ENGINEER INTERNSHIP

June 2022 - September 2022 | PULL4YOU SERVICES S.A.R.L, Casablanca, Morocco

- → Engineered on-demand transportation service, enhancing user experience by generating the route 400% times faster
- → Constructed web app for optimized route planning, decreasing travel time.
- → Analyzed and optimized multi-vehicle path.
- → Devised fuel-saving route optimization plan.
- → Engineered algorithm for efficient vehicle paths.
- → Incorporated traffic patterns and road conditions into algorithm.
- → Integrated error detection system, reducing delays.
- → Implemented optimization system into existing backend.

Skills Acquired: Scrum · Docker · Agile Methodologies · Trello · GitHub · Django REST Framework · Django · Python · PostegreSQL · Postgis · RESTful API

## **PROJECTS**

## AI-BASED PLUGIN FOR INTERACTIVE CONFLICT RESOLUTION IN BUSINESS PROCESSES USING BPMN, WORKFLOW, AND CHAT-GPT API

March 2023 - Present

- → Develop an Al-based plugin to resolve conflicts within business processes in real-time
- → BPMN (Business Process Model and Notation) and Workflow models for representing and automating business processes
- → Chat-GPT API (Application Programming Interface) for interactive conflict resolution using Al.

Skills: Machine Learning models: Python, Java, C++ · API integration · Business process modeling, workflow automation

#### **BLOCKCHAIN BASED VOTING SYSTEM WEB APPLICATION**

Feb. 2023 - Present

→ Develop a web application for a secure and transparent Blockchain-based voting system using Spring Boot framework. blockchain

Skills: Spring Boot and Java programming Blockchain and Solidity HTML, CSS, and JavaScript · Cloud deployment · Security principles and best practices

## GEO MAPPING ANDROID APPLICATION WITH AR-BASED NAVIGATION

Jan. 2023 - Present

- → Build an android application using Augmented Reality to geo map our university's campus.
- → Use AR to display information about campus locations on user's phone screen
- → Utilize GPS and geolocation technology to pinpoint user's location
- → Provide detailed information about buildings and landmarks on campus

Skills: Android Studio, XML, Kotlin · ARToolkits, AR concepts · Mapping technologies, geolocation · UI design

## SKILLS

#### **PROGRAMMING**

Proficient:

Python • Java • Bash • SQL

C • HTML • CSS • Android Studio • PostgreSQL• Javascript • XML • Kotlin

### LIBRARIES/FRAMEWORKS

Django • Pytest • Spring Boot • Numpy • OpenCV

## TOOLS/PLATFORMS

Git • Trello • Docker • Microsoft AZURE • AWS

#### **LANGUAGES**

English • French • Arabic

## **EDUCATION**

## NATIONAL SCHOOL OF **COMPUTER SCIENCE AND** SYSTEMS ANALYSIS (EN-SIAS IN FRENCH)

SOFTWARE ENGINEERING STUDENT Sep. 2021 - Present | Rabat, Morocco Data Analysis, Cloud Computing, Virtualisation, Al fundamentals

#### COMPETITIONS

## **ENSIAS FINTECH HACKATHON 2022**

April 2022 | Rabat, Morocco In just three days, our team conceptualized, prototyped, and developed the user interface for our own startup. As a result, we advanced to the final round of competition, outperforming 40 other teams.