

# Resume of Khalil Hajji

[khalilhajji88@gmail.com](mailto:khalilhajji88@gmail.com)

LinkedIn: Khalil Hajji

(216) 26 97 20 27

Tunis, Tunisia

## Education

### Higher school of statistics and data analysis

Degree in Engineering Sciences (Data science and Data analytics)

Tunis

June 2023

### Pre-engineering School

Mathematics and Physics Program.

Bizerte

June 2020

## Academic Projects

### Web Scraping

December 2022

- Scrape data from Tayara.tn using BeautifulSoup, requests and Selenium.
- Extract relevant data including product names, locations, types and links to individual product pages.
- Pre-process and organize scraped data into structured formats for further analysis.

### Detecting Spams

September 2022

- Pre-process the database that contains thousands of emails.
- Create a model that can predict whether an e-mail is a spam or not, using machine-learning models: Random Forest, logistic regression.

### Predicting alcohol sales

May 2022

- Create an R-Shiny application that can upload any given database, plot its time series, and plot its decomposition of its trend, residual and seasonality.
- Predict alcohol sales using methods: ARIMA, ARIMAX, SARIMA, Holt Winters, TBATS

## Experience

### Astree Insurances

Tunis

### Data Service Engineer Actuarial and Risk Management

October 2023

- Collecting and pre-processing the data related to the insurance agencies.
- Automation of agent rating model and Implementation of machine learning models.
- Automation of agent scoring model and Implementation of machine learning models.
- Development of a Dash application for rating and scoring analysis.

### BIAT Insurances

Tunis

### End of studies Internship: Detection and prediction of fraud in the health department

Feb – June 2023

- Construction of a database dedicated to the detection of fraud suspects in the health-insurance department.
- Create a model that can preprocess any new annual given database of the health-insurance department.
- Create dynamic dashboards using Power-BI to visualize the data.
- Creation of machine learning models for the prediction of fraud suspects.

### BIAT Bank

Tunis

### Engineering Intern

July – Sept 2022

- Create a model that can preprocess any new annual given database of the Risk Management department.
- Create dynamic dashboards using Power-BI to visualize the databases.
- Create an R-Shiny application to apply univariate and bivariate analysis on new databases of the department.

## Leadership and Activities

### National Status of Student Entrepreneur

March 2022

### Junior Enterprise ESSAI, Marketing and Communication Manager

Sept 2021 – sept 2022

- Analyze the market and promote for the club.
- Communicate with our partners.
- Organize and plan events and activities for the engineering community at ESSAI.

### AIESEC in Tunisia, Vice President

July 2019 – July 2021

- Make international partnership with other AIESECs in the world.
- Host Incoming Global Talent from all over the world.

## Skills

**Technology:** Experience with Python, R, SQL, SAS, Power BI, VBA.

**Languages:** French (DELF B2), English (Professional), Spanish (Intermediate), German (Beginner).

**Interests:** Passion for sports and cinema, Reading sports books.