

Resume of Khalil Hajji

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Tunis, Tunisia

Education

Higher school of statistics and data analysis

Degree in Engineering Sciences (Data science and Data analytics)

Pre-engineering School

Mathematics and Physics Program.

Tunis

June 2023

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 (DELFI B2), English (Professional), Spanish (Intermediate), German (Beginner).

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