

Haifa Laabidi

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OBJECTIVE

Seeking a 6-month internship for my final-year project in Data Science and Artificial Intelligence, available from January.

PROFESSIONAL EXPERIENCE

RDI Research Group ESPRIT

Engineering intern

Ariana, Tunisia

July 2023 – Sep 2023

Transformed research into actionable projects within a collaborative environment, enhancing data-driven initiatives and improving outcomes.

Project 1: Unlocking Market Insights: A Study of Volatility and Investor Behavior in Finance

- Successfully identified and harnessed complex patterns in financial time series data using advanced non-linear models like ARCH and GARCH, resulting in improved forecasting accuracy and risk management.
- Optimized portfolios using quantitative strategies, consistently delivering superior performance.

Project 2: Recommendation System for an E-commerce Website

Aug 2022 – Sep 2022

- Revolutionized user experiences by applying Collaborative Filtering techniques, which led to highly accurate content recommendations tailored to individual user behavior and preferences, resulting in a notable boost in user retention and engagement.

PROJECTS

DevOps academic project (3 months) :

Integrate operators into the application development cycle in order to align all teams on delivering value to customers and thus improve customer satisfaction.

Tools : Jenkins - Sonar - Docker - Nexus - Git - GitLab

AI project (3 months):

Develop an Ontology-based Recommendation system using machine learning and deep learning for personalized recommendations and effectiveness evaluation.

- Natural Language Processing: linguistic-based preprocessing technique
- Modeling: GNN, LSTM, computer vision techniques
- Recommendations techniques: hierarchical clustering, classification, KNN,
- Programming: Python, java
- Semantic web language/Tool: OWL2, RDF and SWRL

Phishing Detection System Integration

Created a high-precision phishing detection system, integrated as a browser plugin for real-time protection (95%+ accuracy).

- NLP Techniques
- Deep Learning Techniques: Convolutional Neural Network (CNN)
- Modeling: Decision Tree, Random Forest, Multilayer Perceptrons, XGBoost, Autoencoder Neural Network, Support Vector Machines
- Languages: HTML, CSS, JavaScript, Python, PowerShell, Batchfile, Dockerfile

TECHNICAL SKILLS

Languages: Python, R, Java, C, SQL, C#

Developer Tools: VS Code, Eclipse, Jupyter Notebook, PyCharm

Technologies/Frameworks: Linux, GitHub, GitBash, Django, Spring Dotnet

Libraries: Pandas, Scikit-Learn, Matplotlib, Open-cv, NLTK, spaCy

Databases: PostgreSQL, MongoDB

LEADERSHIP EXPERIENCE

INCEPTUM Junior Entreprise

Quality Manager

Ariana, Tunisia

2022 – 2023

- Ensured adherence to quality standards and procedures.
- Developed key performance indicators (KPIs) for quality assessment.
- Implemented quality control measures and conducted audits for continuous improvement.

EDUCATION

IT Engineering Student

Private Engineering and Technology College – (Esprit)

Ariana, Tunisia

2021 - *present*

Mathematical and physics diploma

Preparatory institute for pre-engineering studies of Monastir

Monstir, Tunisia

2019 - 2021

BACCALAUREATE

Pioneer high school

Siliana, Tunisia

2015-2019

LANGUAGE

English

B2

French

B2

Arabic

Native