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Objective

As a fourth-year Artificial Intelligence student at ENSIA, I am seeking an internship where I can leverage my strong analytical skills and deep understanding of AI principles. I am particularly interested in opportunities that allow me to gain hands-on experience, collaborate with industry professionals, and further develop my practical skills in AI, machine learning, and software development. While most of my experience comes from group projects, I am committed to honing my skills to undertake more rigorous individual projects.

Education

ENSIA - National School of Artificial Intelligence (fourth year)

Technical Skills

- **Web Development:** HTML, CSS, JavaScript ,php
- **Mobile Development:** Flutter, Dart, Flask, Kotlin (basic)
- **Data Analysis & ML and scientific programming :** Python (Pandas, NumPy, Scikit-learn, Seaborn, SciPy, Matplotlib,..) and R
- **Algorithms:** Data mining approaches, Time Series Analysis, Machine learning, Optimization, Stochastic modeling, and Simulation

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Analytical and Theoretical Skills

- Good understanding of AI principles, including supervised and unsupervised learning, neural networks, and optimization techniques.
- Good experience in data mining, data preprocessing, and feature engineering.
- Known for discovering new relationships in data and making decisions that significantly enhance project outcomes.
- Proven ability to apply theoretical knowledge in practical settings, with a focus on backend development and algorithmic design.

Projects (mostly group projects of two to three members)

BlediTourism

Technologies & Concepts: PHP, HTML, CSS, JavaScript

Description: A tourism management platform designed to facilitate the touristic experience for both the visitor and touristic service providers such as hotels, restaurants, and guides plus the contribution system that motivates them to engage in sharing their experiences and new places to visit so they enrich the website content.

Drivera

Technologies & Concepts: Web Development, Database Schema Design, Notification Systems.

Description: A web application developed for managing a complete driving school system in Algeria, featuring student tracking, tutor , exams management, and vehicle maintenance.

Nim Game

Technologies & Concepts: Python, Tkinter, Minimax Algorithm, GUI Design.

Description: An AI-driven game implemented in Python using the Minimax algorithm for strategic decision-making and Tkinter for the graphical user interface.

Unimate

Technologies & Concepts: Flutter, Dart, Flask, firebase .

Description: An educational social media platform tailored for Algerian students, integrating features for forums Q&A, resource sharing, user interaction , different profiles (universities , students , teachers ..) , messaging , groups , posts , etc .

Predicting Aqua Solubility

Technologies & Concepts: Python, Data Mining, Feature Engineering, Predictive Modeling.

Description: A data mining project aimed at predicting water solubility of compounds, with an emphasis on data preprocessing, feature engineering, and model development.

Time Series Classification of ECG Signals

Technologies & Concepts: Python, Time Series Analysis, Image Transformation, Feature Engineering.

Description: A project focused on classifying ECG signals using two approaches :first transforming them into image classification task and applying ANNs and second with feature engineering or new predictors applying time series analysis techniques and domain-specific knowledge .

Loan Scoring (Loan Eligibility)

Technologies & Concepts: Machine Learning, Web Development, Data mining, Predictive Modeling.

Description: A machine learning-based web application designed to predict loan eligibility using real algerian bank data given personal,financial and occupational information .

Motor Failure Time Prediction

Technologies & Concepts: Machine Learning, Predictive Maintenance, Data Analysis.

Description: A predictive maintenance project involving machine learning algorithms to forecast motor failure times based on synthetic lab data (to prove the applicability of ML solutions to such a problem) .