

Samia Maguedouda BELHADDAD

Passionate about making Human life better using Data and Artificial Intelligence .
Combining the study ,modeling & quantification of uncertainty with building Intelligent Systems .

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Education

Master's in Applied Statistics and Probability
University of Science and Technology Houari Boumediene [↗](#)
2021 - 2022

- Stochastic Processes & Calculus
- Inferential Statistics
- Stochastic Simulation
- Measure Theory & Probabilities
- Introduction to Queuing Theory
- Data Analysis
- Time Series Analysis
- Linear Models
- Introduction to Information Theory
- Non Parametric Statistics

Bachelor's Degree in Mathematics
University of Science and Technology Houari Boumediene [↗](#)
2018 - 2021

- Algorithms & Data Structs
- Linear Algebra
- Probability & Statistics
- Machine Architecture
- Functional Analysis
- Multivariate Calculus
- Abstract Algebra
- Numerical Analysis
- C Programming
- Differential Equations

WORK EXPERIENCE

Junior Data Scientist (Fall 2021 Internship)
AITech- Agriculture Intelligence & Technologies [↗](#)
-Learned about sequence modeling for time series
-Analysed Agricultural historical data coming from sensor devices
-Worked on Time Series Forecasting using Deep Learning (LSTMS)

Data Science Content Creator (Summer 2021 Internship)
Ignitus
-Developed Educational Material for Learning and Teaching Machine Learning and Data Analysis.
-Built End-to-End Data Science guided projects .

Content and Community Manager (2020-2021)
Wejehni [↗](#)
-We helped thousands of students answering their concerns about higher education.
-I Wrote articles and created visual content about University Majors and Specialties .
-I managed the community on Facebook and Instagram

Web Content Creator (08-10/2019)
Sylabs [↗](#)
-Acquired knowledge about Business, Marketing, Entrepreneurship, Startups .
-Worked on Mapping the Algerian Entrepreneurship Ecosystem Project.
-Gained skills in content management systems (WordPress).

VOLUNTEER WORKS

Event Organizer : CSE:Club Scientifique de l'ESI (2017 - 2020) [↗](#)
Participated in the organization of several events during 2 years of Active Membership including the Largest Hackathon in Africa and HackIT in Algeria

Mental Health Talks Ambassador (10/2019 - 10/2020) [↗](#)
Raising awareness about Mental Health Topics in the Algerian Society through Events and a Digital Presence

Social Media Manager : Algeria Game Challenge (07/2019)
Algeria Game Challenge is the first and the largest Game Development competition in Algeria I was in charge of the Facebook page of the competition.
Created Visuals and posts featuring the event.

Coding Mentor for Kids : Kids Can Code (02/2019)
An event by the club C&S, in which students in IT teach kids programming using Scratch

INTERESTS

- Traveling
- Learning
- Cognitive Sciences
- Broad Artificial Intelligence

Technical Skills

- Languages : Python , R
- Data Structures and Algorithms
- Machine Learning Algorithms
- Data Science Libraries : Scikit-Learn , Numpy, Pandas ,Seaborn ...
- Neural Networks and Deep Learning
- Convolutional Neural Networks
- Reccurent Neural Networks (LSTMS - GRU)
- Deep Learning Frameworks : TensorFlow
- Git ,Github , Databases, SQL

Soft Skills

- Autonomy
- Research
- Adaptability
- Communication
- Problem Solving
- Presentation

PROJECTS AND RESEARCH

Product Quality Assessment (09/2021) [↗](#)
- The objective was to detect whether a manufactured product is defected or not
- Performed Image Classification using CNNs and Tensorflow Sequential API
- Trained a Deep Learning model for Binary and Multiclass Classification

App Enrollment Prediction (08/2021) [↗](#)
- Predict App Enrollement based on User interaction Data : Costumer Behavior
- Trained a Logistic Regression Model on a real life Dataset
- Achieved 85 % measure of Separability

An overview of Homomorphic Encryption (04/2021-07/2021) [↗](#)
- The project was my final-year undergraduate dissertation
- Explored the Mathematical Foundation of Homomorphic Encryption
- Researched the use cases of Homomorphic Encryption in the cloud

Clustering Townships of Algiers based on Venues (05/2020-06/2020) [↗](#)
- Applied Data Science Methodology from Business understanding to attaining business objective
- Used Location Data and FoursquareAPI
- Trained a Kmeans Clustering model to group townships based on Target Venues
- Performed using Pandas, numpy , Matplotlib, ScikitLearn,Seaborn ...

CERTIFICATES AND COURSES

- Machine Learning Engineering for production Specialization (2021) [↗](#)
- DeepLearning.AI TensorFlow Developer Specialization (08/2021) [↗](#)
- Software Engineering for Data Scientists in Python (01/2021) [↗](#)
- IBM Data Science Specialization (07/2020) [↗](#)
- Neural Networks and Deep Learning (07/2020) [↗](#)
- Introduction to Psychology (07/2020) [↗](#)
- Data Analysis Track from Udacity (05/2020) [↗](#)
- Google Fundamentals of Digital Marketing (07/2019) [↗](#)

LANGUAGES

English	French
Full Professional Proficiency	Full Professional Proficiency
Arabic	
Native or Bilingual Proficiency	