



# LEON DOUNGALA

## AI/ML Engineer / Data Scientist



## EDUCATION

### MSc in Computer Engineering and Automation, Artificial intelligence

eCampus University , Come , Italy  
Sep 2022 - Jul 2024

### Double Master's in Data Science

Rome Business School , Rome , Italy  
International University of Valencia , Valencia , Spain  
Apr 2021 - Apr 2022

### Bachelor's Degree in Electronic and Computer Engineering

Ferrara University , Ferrara , Italy  
Sep 2015 - sep 2020



## SKILLS

- Programming:** Python, Java, R, C++, SQL, Scripting, Web Development, Software Engineering
- AI & ML:** Classification, Regression, EDA, ML, Python Libraries , NLP , Computer vision , Model
- Deep Learning:** Fundamental Expertise.
- Data Visualization:** Matplotlib, Seaborn, PowerBI, Tableau
- AWS:** Glue, S3, SageMaker.
- Database:** SQL , Oracle
- Communication & Problem Solving:** Data Storytelling, Report Writing, Presentation, Analytical Thinking.
- Version Control:** GitHub.
- Practical Skills:** Personal portfolio with AI & ML projects, hands-on application, real-world problem-solving.



## CERTIFICATIONS

- Certificate in Python Programming  
2023 | Michigan university
- Certificate of dashboarding with tableau  
ENSAE - ENSAI formation continue



## LANGUAGES

- French (Native)
- Italian ( , C2 Bilingual)
- English ( B2 , Intermediate )



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Luxembourg



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LeonDoungala22



My portfolio projects



leon-doungala

## ABOUT ME

Completing my MSc in Computer Engineering, I bring three years of software development experience to my transition into Machine Learning and Artificial Intelligence. Proficient in model development and algorithm optimization, and armed with a Master's in Data Science, I am passionate about contributing to AI advancements and eager to join a dynamic team in this reconversion.

## WORK EXPERIENCE

### Software Developer & Data Scientist jr

Apr 2022- Nov 2023

( 1 year 8 months )

EURONEXT , Italian Stock Exchange | Milan , Italy



- Achieved 100% goals in web design, development, and maintenance
- Managed incidents effectively with Jira.
- Demonstrated expertise in AWS, Python Spark, Glue, and SageMaker.
- Scripted Python code for process automation , optimizing machine learning models .
- Collaborated on SQL DataMarts using Workbench and Athena.
- Utilized Content Server OScript for backend development,
- highlighting proficiency in GitHub.

### Developer Analyst Salesforce

Jul 2020 - Dec 2021

( 1 year 6 months )

LUTECH | Milan , Italy



- Salesforce Developer: Apex, SOQL , SQL, Visualforce.
- Proficient in Object Management, Page Layouts, and Permissions.
- Experienced in Change-sets Deployment and Error Analysis.
- Marketing Cloud for strategic communication.
- Skilled in Process Builders, Code Analysis, Data Loader.
- Strong emphasis on Testing for reliable solutions.

### HCM Oracle Consultant Intern

Sep 2019 - Feb 2020

( 6 months )

ORACLE | Milan , Italy



- SQL / Oracle SQL
- Oracle fusion Reporting and BI
- Interfaces, Integrations, Web ADI, Unix Shell
- HCM cloud outbound integrations using BI Publisher, OTBI reports
- Web services
- Taleo client connect

## REFERENCES

SIMONA MENGhini

Communications Director , Oracle Italy

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Simona Menghini

## HOBBIES



Bass Guitar player



Running



Artificial Intelligence

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## SKILLS & COMPETENCIES

- Proficiency in **Python** and **R** programming languages such as **C++**, **Java**, Web Dev, Shell
- Knowledge of **machine learning algorithms** and libraries
- Experience with data pre-processing and cleaning
- Ability to analyze and interpret complex datasets
- Familiarity with big data platforms and tools, such as **Spark**
- Proficiency in **SQL**, **Oracle** and database management
- Experience with **deep learning** frameworks like **TensorFlow** or **PyTorch**
- Understanding of **predictive modeling and statistical analysis techniques**
- Ability to implement and maintain machine learning pipelines
- Knowledge of state-of-the-art machine learning techniques
- Knowledge of **computer vision** and **OpenCV**
- Experience with data visualization tools, such as **Tableau** or **PowerBI**, **Sklearn** and **Seaborn**
- Strong problem-solving skills
- Ability to work collaboratively with data scientists and software engineers
- Experience in monitoring and **evaluating machine learning models**
- Understanding and hard skills of **software development methodologies** tools and languages
- Familiarity with cloud platforms like **AWS ( Glue , S3 , SageMaker , Data Ingestion )**, Google Cloud, or **Salesforce**
- Knowledge of Natural Language Processing (NLP)
- Understanding of reinforcement learning
- Familiarity with version control systems like **Git**
- Strong communication skills
- Ability to translate complex findings into understandable insights.

## PERSONAL PROJECTS

 [My portfolio projects](#)

### 1 - Practical AI / ML / DL / Data Science Portfolio (Oct 2023 - Present)

A comprehensive AI and ML program encompassing Python, mathematics, and foundational ML. Topics covered range from advanced ML, computer vision, NLP, and reinforcement learning to project implementation, model deployment, and considerations in AI ethics.

- **GitHub:** [link\\_to\\_repository](#)
- **Skills:** Proficiency in AI and automation solutions.
- **Languages:** Python and AI and ML Libraries.

### 3- Student Enrollment Web App (Oct 2022 - Oct 2022)

JavaEE-based MVC web app facilitating student course enrollment.  
Features: Secure enrollment, efficient record management.

- **GitHub:** [link\\_to\\_repository](#)
- **Skills:** Web development using Java EE, UML.
- **Languages:** JavaEE, SQL.

### 4- Automated XSD Data Extraction Script (Mar 2023)

Python script automating XSD data extraction to CSV.  
Handles simple and complex data types using 'xml schema' and 'pandas'.

- **GitHub:** [link\\_to\\_repository](#)
- **Skills:** XSD data extraction automation.
- **Languages:** Python, Automation.

### 5- Thesi in MSC : Artificial Intelligence and Machine Learning Techniques for the Characterization and Prediction of Diabetes

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Driving license B , Personal vehicle

My portfolio projects  
LeonDoungala22  
leon-doungala

My portfolio projects



## Leon Doungala

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in

### AI / ML and Data Science Portfolio

#### HR Analytics

Human Resources Analytics

Algorithm: PCA and Kmean clustering

[View on GitHub](#)

#### Diabetes Prediction and Characterization

Algorithm: Ensemble Learning , Random forest , AdaBoost , XGBoost

[View on GitHub](#)

#### Customer Segmentation

Exploring Customer Segmentation

Algorithm: K-Means Clustering

[View on GitHub](#)

#### Heart Disease Prediction

Algorithm: SVM , NLP

[View on GitHub](#)

#### Sentiment Analysis on IMDb Movie Reviews

Algorithm: Bernoulli Naive Bayes

[View on GitHub](#)

#### Breast Cancer Classification

Algorithm: K-Nearest Neighbors (KNN)

[View on GitHub](#)

#### Salary Prediction

Algorithm: Linear Regression

[View on GitHub](#)

#### Credit Card Fraud Detection

Algorithm: Decision Trees Classifier

[View on GitHub](#)

#### Predicting Housing Prices

Algorithm: DecisionTree Regressor

[View on GitHub](#)

#### Spam Email Classification

Algorithm: Logistic Regression

[View on GitHub](#)