



LEON DOUNGALA

AI/ML Engineer / Data Scientist

[My portfolio projects](#)

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Differdange , Luxembourg

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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. [My Portofoglio link on GitHub](#)

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)

ABOUT ME

Completing an MSc in Computer Engineering and Automation, specializing in AI, and three years of focused software development experience, I am eager to join a dynamic team. Proficient in model development and algorithm optimization, I also hold a Master's in Data Science, fueled by a fervent passion for contributing to impactful advancements in the field of Artificial Intelligence.

WORK EXPERIENCE

Software Developer & Entry Level Data Scientist Apr 2022- Nov 2023

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 by 8%.
- 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

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

ORACLE | Milan , Italy



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

REFERENCES

SIMONA MENGHINI

Communications Director , Oracle Italy

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ORACLE Email : simonaumberta@gmail.com

Simona Menghini

HOBBIES



Bass Guitar player



Running



Artificial Intelligence

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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](#)

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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

1 - AI and Automation Training (Oct 2023 - Present)

Modules program in AI and ML with focus on Python, math, and basic ML.

Topics include advanced ML, computer vision, NLP, reinforcement learning, project implementation, model deployment, and AI ethics.

- **GitHub:** [link_to_repository](#)
- **Skills:** Proficiency in AI and automation solutions.
- **Languages:** Python and Libraries.

2- ML & Data Science Project Categories (Oct 2022 - Present)

Comprehensive project covering data exploration, feature selection, cross-validation, supervised learning (linear regression, ensemble learning), unsupervised learning, and deep learning concepts.

- **GitHub:** [link_to_repository](#)
- **Skills:** Mastering data science techniques.
- **Language:** Python and 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