LEON DOUNGALA

AI/ML Engineer / Data Scientist

📞 (+39) 32 93 67 00 86 🇮🇹
📞 (+352) 691 335 011 🇱🇺
📍 4 Rue John Ernest Dolibois Differdange , Luxembourg
🏠 Viale G.Marconi 50 , Tradate, Italy

✉️ doungala.leon@gmail.com
⚫ LeonDoungala22
📂 My portfolio projects
in 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

EURONEXT

- 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

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- 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

ORACLE Consulting

- 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

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 | Michegan university
- Certificate of dashboarding with tableau
  ENSAE - ENSAI formation contitnue

LANGUAGES

- 🇫🇷 **French (Native)**
- 🇮🇹 **Italian (, C2 Bilingual)**
- 🇬🇧 **English (B2 , Intermediate)**

REFERENCES

SIMONA MENGHINI

Communications Director , Oracle Italy

ORACLE
Phone: (+39) 335 684 0902
Email : simonaumberta@gmail.com
in Simona Menghini

HOBBIES

- Bass Guitar player
- Running
- Artificial Intelligence

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 vison** 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

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in 🔘

AI / ML and Data Science Portfolio

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

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