

CERTIFICATE OF COMPLETION

Hakim Sidahmed,
representing CLA CodeLabs GmbH,
with domicile in Stresemannstraße 23, 10963 Berlin.

Certifies that

Daniel Rodriguez

Date of Birth: 05.10.1992

has successfully completed the

12- Week Data Science & AI Bootcamp (September 22, 2025 - December 15, 2025)

Acquired Skills:

Preparatory phase: SQL, Python, Jupyter Notebook, Git and GitHub, Linear Algebra, Probabilities and Statistics.

Data Analytics: Data Analysis, Data Preparation, Data Visualisation, Data Exploration.

Classic Machine Learning: Machine Learning, Supervised and Unsupervised Learning, ML Model Enhancement, Naive Bayes, SVM, Random Forests, ML Pipelines, Classification.

Deep Learning: Neural Networks (Implementation, Troubleshooting & Optimisation), CNN Architectures, Autoencoder Architecture, Data Augmentation, Tensorflow, Keras, Scikit-Learn.

Natural Language Processing: Text Coding for NLP, Recurrent Neural nNetworks RNN, LSTM, Attention Mechanisms, Transformer Model, Chatbot Building.



Course Leader



CODELABS
ACADEMY

CLA General Manager