JUAN COBO CELDRÁN

juancobo.net – jcoboceldran@gmail.com – linkedin.com/in/juan-cobo-celdrán/

EDUCATION

Carlos III University — Madrid, Spain
Bachelor's in Computer Engineering — 2020-2024

- Bilingual Program: University program completed in a bilingual environment, with classes taught in both Spanish and English.
- Erasmus Program: Participation in the Erasmus exchange program at Warsaw University of Technology.

IES Gran Capitán — Madrid, Spain
Bachillerato in Science — 2018-2020

Coosa High School — Gadsden, AL, United States
Exchange Program — 2017-2018

TECHNICAL SKILLS

Programming: Practical experience in Python, R, Matlab, JavaScript, C, C++, through the completion of projects in artificial intelligence, data science, databases, computer networks, cybersecurity, front end, and back end.

Artificial Intelligence: Practical experience in multiple machine learning, deep learning, expert systems, and fuzzy logic projects, using tools such as Scikit-learn, TensorFlow, Keras, RapidMiner, and Fuzzy Logic Toolbox.

Data Science and Analysis: Practical experience in data science and analysis using tools such as Pandas, NumPy, Matplotlib, Seaborn, and Excel.

Databases: Practical experience with both relational and non-relational databases, including implementation and optimization in SQL Server, MongoDB, Cassandra and Neo4J.

Front-end Development: Practical experience in front-end development technologies, with a strong foundation in HTML, CSS, and React.

RELEVANT PROJECTS

COVID-19 Case Prediction with Deep Learning: Development of a deep learning-based predictive model using data from The Humanitarian Data Exchange's Novel Coronavirus Cases Data to predict COVID-19 cases.

Salary Prediction Model with Natural Language Processing and Machine Learning: Development of a machine learning-based model with text mining techniques in Python to predict job offer salaries based on job titles and descriptions.

Vehicle Recommendations for a Target Market with Expert Systems and Fuzzy Logic: Design and implementation of an expert system using fuzzy logic techniques in MATLAB to recommend vehicles tailored to the specific needs of a defined target audience.

Enhanced Solar Panel Performance Optimization with Machine Learning: Optimization of solar panel performance by employing advanced machine learning techniques to analyze climatic data and develop weather prediction models.

LANGUAGES

Spanish: Native speaker.

English: C1 Advanced (Cambridge certified).