

Cyprian Fusi

Data Scientist & Oracle DBA

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Professional Summary

A passionate and accomplished Data Scientist, Oracle DBA, and former educator with over two decades of diverse experience spanning data science, database management, teaching, and auditing. Combines advanced technical proficiency with practical experience in machine learning, data analysis, and statistical methods. Proficient in Python, SQL, and AI-driven applications, with a robust portfolio of projects demonstrating data-driven decision-making and innovative problem-solving.

Education

MSc Data Science and AI

Oxford Brookes University, Oxford, UK
(16.09.2024 – 30.09.2025)

MSc Electrical Engineering

Technical University (TU) Berlin, Germany
(01.10.1997 – 24.11.2006)

Key Skills

- Data Science & Machine Learning (Python, SQL, pandas, scikit-learn)
 - Advanced Statistical Analysis & Hypothesis Testing
 - Database Administration (Oracle 11g/12c, PostgreSQL)
 - Data Visualization (Matplotlib, Seaborn, Power BI)
 - Agile Methodologies & Team Leadership
 - Technical Reporting & Stakeholder Communication
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Professional Experience

DBA Oracle 11g/12c

Bayerisches Landesamt fuer Steuern, Munich, Germany
(Apr 2018 – Dec 2023)

- Managed large-scale databases, ensuring security, reliability, and optimal performance.
- Conducted performance tuning, backup, and recovery operations.

Lead GHG Auditor / Technical Review Manager

DNV GL, Hamburg, Germany

(Jul 2011 – Aug 2016)

- Led audits to validate and verify greenhouse gas emissions projects.
- Managed a remote team across multiple continents, achieving exceptional client satisfaction.
- Maintained compliance with constantly evolving UN regulations, ensuring a green record as a Quality Manager.

Data Scientist (Project-Based)

- Developed a **Fraud Detection Model** using logistic regression, achieving over 40% improvement in efficiency.
- Created a **Dynamic AI Chatbot** in Python using OpenAI's LLM and Streamlit.
- Performed in-depth analyses on **UK COVID-19 data** and provided actionable recommendations to decision-makers.
- Conducted **statistical hypothesis testing** on datasets such as NHANES and A&E performance, offering strategic insights to stakeholders.

GitHub Projects

- Fraud Detection Model: Logistic regression model outperforming manual fraud detection by over 40%.
[GitHub](#)
- UK COVID-19 Data Analysis: Accessed and analyzed UK and global COVID-19 datasets.
[GitHub](#)
- Heart Disease Prediction: Achieved 90% accuracy using KNN and PCA.
[GitHub](#)
- A&E Performance Analysis: Statistical insights into performance targets.
[GitHub](#)
- AI Chatbot with Streamlit: Multi-functional chatbot leveraging OpenAI LLMs.
[GitHub](#)

Notable Achievements

- Surpassed top scores in Kaggle competition on predicting bulldozer auction prices, earning instructor praise for innovative feature engineering.
- Designed an improved compact multi-band broadband patch antenna, published by IEEE.
- Received commendations for analytical exercises during interviews with UK Cabinet Office and 10 Downing Street.

Additional Information

- Languages: English (fluent), German (fluent)
- Teaching Experience: Former high school Math and Physics teacher, known for exceptional mentoring and clear communication skills.
- Technical Writing: Authored comprehensive technical reports and proposals, ensuring alignment with stringent standards.