CANER **OLCAY**

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CAREER PROFILE

- Junior Data Scientist / Machine Learning Engineer with hands-on experience in data analysis, time series forecasting, computer vision, and LLM-based systems. Strong Python background with Pandas, Scikit-learn, PyTorch, and TensorFlow. Experienced in building end-to-end ML pipelines and RAG-based chatbots using LangChain and MCP, with a focus on reproducible experiments and data-driven results.

EXPERIENCE

ML Engineer — Solvro
Wrocław, Poland | Nov 2025 – Present

- Built LLM-based chatbot systems using Model Context Protocol (MCP)
- Designed LangGraph workflows for controlled, multi-step LLM execution
- Collaborated in a team environment to evaluate and improve chatbot pipelines

AI Software Engineer – Neurosoft
Wroclaw, Poland | Jul 2025 – Oct 2025

- Processed and analyzed 10,000+ traffic scene samples using Python data pipelines
- Improved vehicle trace-matching accuracy to 85%+ through data analysis and algorithm refinement
- Applied computer vision and machine learning techniques within a real-world AI system for intelligent transportation

TECHNICAL PROJECTS

NeuroPark: AI-based 3D Vehicle Detection System (GitHub Repository)
- Developed a pipeline for 3D vehicle detection and depth estimation from RGB images
- Combined object detection, depth estimation, and point cloud visualization

Medical Chatbot: End-to-End RAG System (GitHub Repository)
- Developed a chatbot using LangChain + Pinecone for semantic retrieval
- Implemented document ingestion, embedding, and response generation
- Deployed the system as a Flask web application

Knowledge Graph RAG System MCP-based (GitHub Repository)
- Designed a knowledge-graph–powered RAG system using Neo4j for structured retrieval
- Orchestrated agent flows with LangGraph and monitored performance via LangFuse
- Emphasized evaluation, traceability, and observability for agent-based reasoning

CORE SKILLS

- **Programming & Data:** Python, R, SQL, Pandas, NumPy, Scikit-learn
- **Machine Learning:** Regression, Classification, Time Series Forecasting, CNN, LSTM, Tensor Decomposition
- **AI & GenAI:** PyTorch, TensorFlow, LangChain, MCP, RAG, LLMs , Neo4j, Pinecone
- **Tools & Engineering:** Excel, Power BI, Git, AWS, Docker, Flask, Linux , Databricks

EDUCATION

B.Eng in Electronics & Computer Engineering (Full-time) | Expected: June 2026
Wrocław University of Science and Technology, Wrocław, Poland

LANGUAGES

English: Fluent (C1)
Turkish: Native (C2)