Murat Ferhat Derya

Data Scientist and AI LLM Engineer

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Summary

Passionate Junior AI Engineer and Data Scientist with hands-on experience in Machine Learning, LLMs, AI Agents, and Back-end Development. Developed and deployed multiple end-to-end ML applications, integrating intelligent systems with automation to deliver real-world solutions. Demonstrated leadership as a student club president and gained international experience through a USA Exchange Program. Also active in content creation via a personal YouTube channel. Portfolio website available for detailed projects and achievements.

Education

Dokuz Eylül University, Computer Science   2021 – 2025
Founder of the Computer Science and AI Community (CSAI)

Experience

DamarLabs, Data Science & ML Instructor   Aug 2025 – Present
- Delivered project-based Data Science and Machine Learning training using Python, Pandas, and Scikit-learn. Integrated Large Language Models (LLMs) into lessons to explain modern AI workflows, enabling students to build and deploy ML solutions effectively.

Arkenom Teknoloji, Data Science and AI Chatbot Developer (Intern)   2024
- Developed a Telegram-based AI chatbot for a tourism company by integrating OpenAI API and FastAPI, enabling seamless multi-turn conversations. Applied semantic search and fine-tuned LLMs to improve personalization, achieving a 90/100 higher FAQ resolution rate compared to the previous manual process. Designed modular AI agents to automate multi-step workflows, and implemented time series forecasting on real-world datasets to enhance predictive accuracy and decision-making.

OptiWisdom, Data Analyst Intern   2024
- Automated Google Ads analytics with Python and SQL to reduce manual workload. Optimized MS-SQL queries, which accelerated reporting and enabled faster business insights for decision-making.

FEDAI, Content Creator   YouTube
Produced and published 30+ beginner-friendly programming videos on YouTube, generating 180,000+ total views and   2023 – Present
improving audience engagement by simplifying complex technical topics through clear editing and delivery.

Work and Travel, Cultural Exchange Participant   USA-New Jersey
Joined a U.S. exchange program and worked in hospitality, improving English fluency, teamwork, and adaptability in a   Summer 2023
multicultural environment.

Best Projects (3)

Telegram AI Chatbot   Telegram
Skills: OpenAI API, FastAPI, Telegram Bot API, Python, Semantic Search, Function Calling, LLMs, NLP, REST APIs, Docker

CarSell – AI Car Price Platform   Carsell Web
Skills: Python, Streamlit, Web Scraping, Pandas, Scikit-learn, XGBoost,Deployment, Data Preprocessing, Feature Engineering, SQL, Git,

Industrial Vibration Analyzer   GitHub
Skills: PySide6, Python, NumPy, SQLite, Matplotlib, Signal Processing, ML Models, Data Visualization, Time Series Analysis, Scikit-learn