M. Erdi ARI

+90 (507) 889 46 81 | Şişli, İstanbul | me@erdiari.dev | github.com/erdiari | linkedin.com/in/erdiari | hf.co/erdiari

EDUCATION

İstanbul Technical University   Maslak, İstanbul
Physics Engineering
- Relevant Coursework: Python, Fortran, Statistical Learning From Data and General Mathematics

WORK EXPERIENCE

AI engineer   Oct 2022 — Present
VNGRS   *Remote*

Notable Projects:
- Real-Time Transcription: Developed systems for converting live speech to text instantly, enabling immediate text output during conversations or presentations
- Text Categorization: Created automated classification systems to organize textual content into relevant categories, streamlining information management
- Graph-based RAG: Implemented a Retrieval-Augmented Generation system using graph structures to enhance context understanding and information retrieval
- Video Generation: Engineered AI-driven solutions for automated video content production
- Specialized Data Curation: Assembled and refined datasets specifically tailored for model fine-tuning, improving AI model performance for targeted use cases
- LLM Training: Executed end-to-end training of large language models, including data preparation, model architecture optimization, and performance tuning for specific applications

SKILLS

- **Python**: PyTorch, TensorFlow, Keras, scikit-learn, NumPy, Pandas, Matplotlib, Seaborn, Plotly, JAX, Langchain, Hugging Face, ONNX
- **Machine Learning, AI**: Machine Learning, Deep Learning, Neural Networks, Natural Language Processing (NLP), Transformers, Attention Mechanisms, Transfer Learning, Reinforcement Learning, Model Lifecycle, CNN, RNN, LSTM, Generative AI, Data Science, GAN, Hyperparameter Tuning, Algorithm Design, Big Data
- **Proficiency in UNIX/LINUX Environment**: Ubuntu, CentOS, Bash Scripting, Shell Commands, Package Management, Anaconda, Virtual Environments, System Administration, Performance Monitoring
- **Cloud Services (AWS)**: AWS EC2, S3, SageMaker, IAM, Docker, Containerization, Kubernetes, APIs, Cloud Computing
- **Development Cycles**: Git, GitHub/GitLab, CI/CD Pipelines, Unit Testing, DevOps, Data Engineering, Jira, Documentation

EXTRA

Publications
VBART: The Turkish LLM, (https://arxiv.org/abs/2403.01308)

VNLP: Turkish NLP Package, (https://arxiv.org/abs/2403.01309)

Ahşapta İç Kusurların Tespiti..., (www.researchgate.net/...)

Certificates
Getting Started with Deep Learning, NVIDIA   29 June 2022 [Verify](#)

Data Science Certificate Program, Ginova   June 2020