

Merve Kömür

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PROFILE

Computer Engineering student with 3+ years of experience in AI, embedded systems, and NLP. Skilled in Python and modern ML/NLP libraries. Passionate about developing end-to-end solutions with real-world impact, especially in data-driven environments.

PROJECTS

Detection of Postpartum Depression via NLP on Turkish Social Media

Lead Researcher – TÜBİTAK 2209/A Funded

Mar 2024 – Aug 2024

- Led a 4-member team to build a classification pipeline for detecting depression from over 10,000 scraped user comments.
- Used Scrapy, Zemberek, and TF-IDF to preprocess and label text data; built FFNN, LSTM, and BERT models with TensorFlow and Keras.
- Final model achieved 98% accuracy; dataset structured via 7 Python modules (scraping, cleaning, modeling, evaluation, etc.).
- Tools: Python, Pandas, scikit-learn, TensorFlow, Keras, HuggingFace Transformers, SentenceTransformers.

EDUCATION

B.S. in Computer Engineering

Doğuş University

Expected: 2027

Transferred from Mathematics department

Relevant Coursework: Linear Algebra, Real Analysis, Numerical Methods, Differential Equations, Functional Analysis

B.S. in Mathematics

Çanakkale Onsekiz Mart University

2023

Transferred to Computer Engineering

SKILLS

Python, C++, TensorFlow, Keras, PyTorch, scikit-learn, Pandas, NumPy, BeautifulSoup, Scrapy, Zemberek, spaCy, HuggingFace Transformers, SentenceTransformers, Data Science, Deep Learning, Machine Learning, NLP, Web Scraping, Git

LANGUAGES

English, French, Turkish

CERTIFICATES

CCNA: Enterprise Networking, Security and Automation – Cisco, CCNA: Switching, Routing and Wireless Essentials – Cisco, CCNA: Introduction to Networks – Cisco, DevNet Associate – Cisco, Neural Networks and Deep Learning – DeepLearning.AI, Convolutional Neural Networks – DeepLearning.AI, Improving Deep Neural Networks – DeepLearning.AI, Sequence Models – DeepLearning.AI, Structuring Machine Learning Projects – DeepLearning.AI

REFERENCES

Ersin Uyar – HPE Aruba Networking Country Manager, ersin.uyar@hpe.com