TOLGA IZDAS

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EDUCATION

Bachelor of Science in Computer Engineering   Expected Graduation: Jun 2025
Yildiz Technical University   Istanbul, Turkiye
- GPA: 3.59/4.0

PROFESSIONAL EXPERIENCE

Software Engineer Intern   Jul – Sep 2024
Turk Telekom   Izmir, Turkiye
- Designed a database for the company inventory from scratch using SQLite.
- Implemented an interface and database operations using the Django framework.
- Improved the data retrieval and processing speeds, contributing to more efficient inventory management.

Software Engineer Intern   Jul – Sep 2023
SESTEK   Istanbul, Turkiye
- Developed a product that summarizes provided voice input using JavaScript and API.
- Added a module to a product that allows the user to read sent HTTP data in a web interface.
- Gained insights into agile practices through daily and weekly meetings.

RESEARCH EXPERIENCE

Research Scholar   Jul 2024 – Present
COSMOS AI Research Group   Istanbul, Turkiye
- Conducting benchmarks on LLMs using few-shot learning.
- Curating datasets for evaluating text generation models and improving their overall performance.
- Fine-tuning LLMs for specific tasks, improving their performance in domain-specific applications.
- Writing and maintaining scripts for automated model evaluation and result analysis.

PROJECTS

COSMOS LLM Evaluation Tool   Jul 2024
- Developed a tool to evaluate LLMs such as GPT, BERT, and LLaMA on a variety of tasks with support for few-shot learning.
- Implemented custom evaluation metrics for accuracy and perplexity.
- Established a modular architecture to allow for easy integration of additional models and evaluation tasks in the future.

Undergraduate Project: Occupation Prediction from Twitter Data   Mar 2024
- Developed a project to predict occupations from Turkish tweets using machine learning, deep learning, and NLP.
- Explored the impact of dataset size on model performance, achieving high accuracy in classification tasks.

PUBLICATIONS

- T. Izdas, H. Iskifoglu, and B. Diri (2024). Occupation Prediction from Twitter Data. *Dokuz Eylul University Faculty of Engineering Journal of Science and Engineering (DEU FMD)*. (Accepted, pending publication)

SKILLS

Technologies: Python, Java, C, SQL, JavaScript, Jupyter Notebook, MATLAB
Libraries: TensorFlow, PyTorch, NumPy, Pandas, Keras, scikit-learn, Matplotlib, Apache Hadoop, Django
Tools: Git, Google Colab, Hugging Face, Kaggle, PyCharm

LANGUAGES

Turkish: Native
English: Advanced | TOEFL iBT: 98/120