Taha Buğra Çiçek

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WORK EXPERIENCE

MEHEL ARGE VE OTOMASYON – ORDU, TÜRKIYE

COMPUTER ENGINEER – 27/07/2024 – 27/11/2024

- Worked as a Fullstack Developer on Windows applications for wholesalers and accounting management.
- Designed and implemented databases using MongoDB.
- Developed core features such as order tracking, customer communication, financial reporting, and invoice management using Flutter.

BILGE TEKNOLOJILER – ELAZIĞ, TÜRKIYE

ARTIFICIAL INTELLIGENCE INTERN – 21/07/2025 – 15/08/2025

- Collected and generated programming-related Q&A datasets (via manual creation, scraping, and API usage).
- Cleaned and labeled data in structured JSON format, ensuring diversity (multiple-choice, fill-in-the-blank, open-ended).
- Researched and selected suitable Question Generation (QG) models on Hugging Face.
- Fine-tuned umarigan/llama-3-openhermes-tr model for Turkish coding-question generation.
- Evaluated model outputs, categorized question types, and prepared technical documentation and reports.

EDUCATION AND TRAINING

28/08/2023 – CURRENT Elazig, Türkiye
COMPUTER ENGINEERING Firat University

Website https://www.firat.edu.tr/tr | **Level in EQF** EQF level 6

Elazig, Türkiye
AI & DATA SCIENCE TRAINING CERTIFICATE (OR) ARTIFICIAL INTELLIGENCE & DATA SCIENCE COURSE
Elazığ Code 23

Projects
1. CO2 Emission Analysis
Developed a machine learning model to analyze and predict vehicle CO2 emissions based on engine size, fuel consumption, and other parameters. Used **Python, Pandas, Matplotlib, and Scikit-learn** for data analysis and visualization.
2. PDF-Based Q&A System
Built a web application where users upload a PDF, and the system extracts and processes text to answer user queries. Developed using **Flask, Python, and Natural Language Processing (NLP)** techniques.

Website https://code23.firat.edu.tr/

LANGUAGE SKILLS

Mother tongue(s): **TURKISH**

Other language(s):

	UNDERSTANDING		SPEAKING		WRITING
	Listening	Reading	Spoken production	Spoken interaction	
ENGLISH	A2	A2	A2	A2	A2

Levels: A1 and A2: Basic user; B1 and B2: Independent user; C1 and C2: Proficient user

SKILLS

Flask │ MongoDB │ SQLite │ Pandas │ Matplotlib │ Seaborn │ Git │ PyTorch │ Scikit-Learn │ Numpy

Programming Languages

Flutter │ Python │ Java │ Dart

PROJECTS

2025 – CURRENT
Acaba Ne yesem

Description: Suggests personalized recipes based on user ingredients and preferences.
Smart filtering by ingredients, category, and servings
Ingredient matching algorithm with 80%+ compatibility
REST API with FastAPI and SQLite
Data validation with Pydantic, mobile/web ready with CORS

Link https://github.com/AcabaNeYesem

2024 – 2025
Deepfake Detection on Social Media

Developed a deepfake detection model for social media platforms, as part of TÜBİTAK 2209-A 2023/2nd semester project.

Links https://github.com/tahabugracck/deepfake_detection_on_social_media │ https://www.linkedin.com/posts/tahabugracicek_deepfake-tespit-modeli-geliştirme-projesi-activity-7329592904279068672-bhtt?utm_source=share&utm_medium=member_desktop&rcm=ACoAAEYyVEsBx0VU4mANhWla5UhI2qmeDbG7Z-w

21/07/2025 – 15/08/2025
Code-QG-Turkish

Internship project focused on coding-related question generation in Turkish. Collected and cleaned Q&A datasets (via manual creation, scraping, and APIs), then fine-tuned umarigan/llama-3-openhermes-tr model. Evaluated model outputs and prepared technical documentation. *(Private repository)*

2025
Comment Analyzer

AI-powered web application for analyzing YouTube comments. Implemented Aspect-Based Sentiment Analysis with fine-tuned Turkish BERT model. Includes YouTube API integration, sentiment visualization (charts, word clouds), and reporting features.

Link https://github.com/tahabugracck/comment-analyzer

27/07/2024 – 27/11/2024
Hazelnut Accounting Application

Flutter-based accounting application for hazelnut traders. Implemented inventory management, income/expense tracking, and customer account management with MongoDB integration.

Link https://github.com/tahabugracck/comment-analyzer

27/07/2024 – 27/11/2024
Wholesaler Management Application

Flutter and MongoDB based application for wholesalers to manage product orders, customer communication, and campaigns. Designed to streamline operations between wholesalers and retailers.

Link https://github.com/tahabugracck/toptanci_uygulamasi