YAREN YALINBAŞ

AI & SOFTWARE ENGINEERING STUDENT

CONTACT

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SKILLS

- Python
- C / C++ / C#
- HTML / CSS / JavaScript
- Tensorflow
- Keras
- Matplotlib
- Scikit-Learn
- OpenCV
- MATLAB
- Data Mining
- KNIME
- IBM SPSS Modeler
- Data Science
- Machine Learning
- Deep Learning
- Image Processing - Computer Vision
- Natural Language Processing
- LLM Fine Tuning
- Object Oriented Programming
- Database Design and Management
- SQL
- Aptitude for Teamwork
- Effective Communication - Strong Human Relations
- Empathy - Adaptability
- Problem Solving
- Taking Responsibility

FOREIGN LANGUAGES

- English - B2

VOLUNTEERING

- TEKNOFEST TRNC- Volunteering in Competition Area
- T3 AI Volunteering – Ongoing

REFERENCES

- **Ph.D., Professor Filiz ERSÖZ**

  +90 533 810 08 04
  filiz.ersoz@ostimteknik.edu.tr

- **Research Assistant Melisa GÖZET**

  +90 554 752 99 77
  melisa.gozet@ostimteknik.edu.tr

EDUCATION

03/10/2023 – Current Situation
Double Major Program **OSTİM TECHNICAL UNIVERSITY**

SOFTWARE ENGINEERING GPA: 3.13/4

03/10/2022 – Current Situation
Lisans **OSTİM TECHNICAL UNIVERSITY**

AI ENGINEERING GPA: 3.38/4

01/08/2017 – 01/06/2021
High School **İbrahim Süheyla İzmirli Science High School GPA: 95/100**

EXPERIENCE

- 13/01/2025 – 31/01/2025 Ankara, Turkey

  Intern **DEEPTECH Universe Defense and Information Technologies**

- 10/06/2024 – 05/07/2024 Ankara, Turkey

  Intern **Metaform Software**

- 10/01/2024 – 02/02/2024 Ankara, Turkey

  Intern **Gemba Software Consulting**

- 05/06/2023 – 23/06/2023 Ankara, Turkey

  Intern **OneZero Zeki Software**

PROJECTS

- **AI-Powered News Categorization System**

Built a multilingual news classifier with XLM-RoBERTa; scraped and labeled 10,000+ articles in 4 languages.

- **Movie Recommendation System (Ongoing)**

Developing a TF-IDF and cosine similarity-based engine; designed for scalable content matching.

- **Pneumonia Detection using CNN**

Created a MATLAB-based CNN for chest X-ray analysis; achieved 92% classification accuracy.

- **TÜBİTAK 2209-A PPE Detection Project (Ongoing)**

Designing a real-time PPE detection system with YOLOv8; reduced inspection workload.

- **Stock Market Prediction with ML**

Predicted stock trends using ARIMA & SARIMA; reached 85% directional accuracy on test data.

- **Fine-Tuned LLM Performance Analysis**

Fine-tuned multiple LLMs with custom datasets to build QA chatbots; benchmarked accuracy, latency, and cost across platforms.

- **AI-Powered Industrial Symbiosis (Ongoing)**

Developing a web-based industrial symbiosis platform for waste exchange; implementing K-Means clustering and building both frontend and backend infrastructure.

AWARDS

- **T3 Foundation – 1st Place in IDEATHON**
- **HAVELSAN – 2nd Place in Hackathon**
- **OSTİM Technical University – 3rd Place in Project Fair**

CERTIFICATES

- National Competence Initiative Camp Participation Certificate
- Defense Industry Academy - SSA 401
- GLOBAL AI HUB - Aygaz Artificial Intelligence Literacy
- GLOBAL AI HUB - Aygaz Python Training
- TURKCELL - Python Programming 101-201-301-401
- BTK Academy - Personalized GPTs
- BTK Academy - Natural Language Processing
- BTK Academy - SQL with Applications
- THE Engineers-Digital Career Camp Engineering
- IEEE - Vision and Productivity Summit
- BTK Academy - Network Technologies - Basic Information Technologies
- GLOBAL AI HUB - Artificial Intelligence and Python
- ONEZERO ZEKİ Software -VooDoo RPA Developer
- GLOBAL AI HUB - AI, Robotics, and Data
- BTK ACADEMY - Python and TensorFlow for Data Science
- BTK Academy - Machine Learning