Furkan Sevinç

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EDUCATION

OSTİM Technical University   **Ankara**
                                                                      Graduation Date: Jun 2028

WORK EXPERIENCE

Maren Robotics   **Ankara**
Part-Time AI Engineer   *Sep 2024 - Present*

- **Developed** a vision-based detection system using **computer vision algorithms** to **identify** and **track humans** and **objects** on water, sending **real-time alerts**.
- Currently developing a product to detect **drowning and fall incidents** in **pools**, using **machine learning** and **computer vision techniques** to **identify abnormal movements** and send **real-time alerts**.
- **Designed** and **implemented AI models** integrated with **embedded systems** for **real-time data processing** and **decision-making** in **aquatic environments**.
- **Applied advanced algorithms** for **object recognition**, **classification**, and **tracking** in **dynamic water settings**, improving **emergency response system efficiency** and **reliability**.
- **Developed an AI-based surface rescue system** for **autonomous aquatic rescue devices**.

AIVA Tech   **Istanbul**
AI Technical and Software Engineer   *Aug 2024 - Present*

- **Developed an AI-powered HR Assistant**, automating **CV analysis**, **interview question generation**, and **real-time interview simulations** to improve recruitment efficiency.
- **Created an AI-powered meeting automation system** that transcribes meeting audio and converts it into actionable tasks for improved productivity.
- **Contributed to the development of internal automation modules**, enhancing **process efficiency**.
- **Focused on prompt engineering**, improving **prompt structures** for better **accuracy** and **effectiveness** in **large language models (LLMs)**.
- **Contributed to AI Call Center projects** by automating **customer support processes** with **Natural Language Processing (NLP)**.
- **Provided technical support** for AI solutions, focusing on **debugging**, **system optimization**, and **performance enhancements**.
- **Currently working on an AI Call Center project,** automating customer support processes using **Natural Language Processing (NLP).**

Limak Cement   **Ankara**
AI Intern   *Feb 2024 - Jul 2025*

- **Cleaned** and **transformed** over **102 million data entries** for **machine learning applications**.
- **Developed** and integrated **machine learning models** to optimize **energy use** in **grinding mill operations**.
- **Trained a model** using **20,000 data points** to detect if **factory workers** are wearing **helmets**, improving **workplace safety**.
- Implemented **AI solutions** to improve **operational efficiency** and **real-time safety monitoring** through **visual data analysis**.

OSTİM Organized Industrial Zone Directorate   **Ankara**
AI Intern   *Jun 2024 - Sep 2024*

- **Developed** a **machine learning-based revenue forecasting tool** that improved accuracy from **64% to 96%**.
- Applied advanced algorithms to optimize **data processing** and increase **prediction accuracy**.

OSTİMTech Technology Transfer Office   **Ankara**
Intern   *Feb 2024 - Jun 2025*

- Gained insights into **Technology Transfer Office (TTO)** operations and contributed to **process management**.

- Gained experience in **academic and industrial collaborations**.

PROJECT EXPERIENCE

AIVA Tech   Istanbul

AI Interview Automation Platform - AIVA Tech

- Link: https://mulakat.aivatech.io/login
- I developed an AI-powered interview automation system that streamlines the hiring process by automating CV analysis, interview question generation, and real-time sentiment analysis.
  - **CV Analysis:** The system analyzes candidate CVs to assess qualifications and suitability for specific roles.
  - **Dynamic Question Generation:** It generates personalized interview questions based on the candidate's background and the job's requirements, ensuring a tailored interview experience.
  - **Real-Time Sentiment Analysis:** While candidates respond, the system performs sentiment analysis on their answers, providing insights into their emotional tone and communication style.
  - **Post-Interview Reporting:** After the interview, the system generates a comprehensive performance report and sends it to the HR platform via webhook for further evaluation. **Benefits:** This system saves time, enhances objectivity in hiring decisions, and provides valuable insights into candidate suitability beyond just qualifications.

Maren Robotics   **Ankara**

AI-Powered Surface Rescue System for Fasty Life-Sa

- I developed an AI-powered surface rescue system for Fasty, an autonomous rescue drone, using computer vision algorithms to detect and track humans and objects on the water's surface. The system sends real-time notifications for immediate response, ensuring faster emergency interventions. Additionally, the system identifies potential dangers, such as drowning incidents, by detecting abnormal movements and providing actionable alerts for intervention.
  - **Object Detection:** The system uses advanced computer vision algorithms to identify and track humans and objects on the water's surface.
  - **Real-Time Notifications:** Once a human or object is detected, the system immediately sends notifications to the relevant emergency response teams.
  - **AI Integration:** I integrated AI models into the drone's embedded system, enabling real-time decision-making and action.
  - **Enhanced Safety:** The system improves aquatic safety by identifying potential dangers and enabling quick intervention.

AIVA Tech   **Istanbul**

AIVA Meeting Speech Recognition System

- This system is designed to capture and analyze spoken content during meetings in real-time. It converts spoken language into text using advanced speech recognition technology and then applies natural language processing (NLP) to identify key topics and individuals mentioned during the discussion. Based on this analysis, the system automatically generates actionable commands, such as creating meeting summaries, scheduling follow-up tasks, or triggering notifications for specific action items. This automation enhances meeting productivity by ensuring that critical points and decisions are captured accurately and promptly.
  - **Real-Time Speech Recognition:** Transcribes spoken words into text instantly to ensure no data is lost during the meeting.
  - **Topic Extraction:** Utilizes NLP algorithms to identify and highlight the main topics and discussion points.
  - **Person Identification:** Detects names and roles mentioned during the meeting, mapping out who is associated with each discussion point.
  - **Automated Command Generation:** Based on the identified topics and individuals, the system can automatically create commands such as calendar events, task assignments, or summary reports.
  - **Seamless Integration:** Easily integrates with existing workflows and tools (e.g., email, calendar, project management systems) to streamline post-meeting follow-ups.

LEADERSHIP EXPERIENCE

PandoraAI   **Ankara**

Financial Relations Coordinator   *Feb 2024 - Present*

- Managing the club's finances and finding new sponsorships.

Artificial Intelligence and Technology Association   **Istanbul**

Co-Chair   *Jul 2024 - Present*

- I serve as the Co-Chair of the Artificial Intelligence and Technology Association, an organization dedicated to bringing AI clubs together across Turkey. We currently have 6,000 members.

SKILLS & INTERESTS

Skills: Microsoft Office (Excel, Word, PowerPoint) , Python, C/C++ , JavaScript , MySQL , HTML & CSS , SQL

Languages: English B1

REFERENCES

- Emre Ege / Maren Robotics / 0533 167 3044 / emre.ege@marenrobotics.com
- Suleyman Kaplan / AIVA Tech / 0531 826 16 42 / suleyman@aivatech.io
- Bahattin Gökhan Topal / OSTİMTech Technology Transfer Office / 0532 742 02 85 / gökhan.topal@ostimteknik.edu.tr
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