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**.

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.

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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