**1. Contact Information**

**Ali Hamza Peçenek**

**Personal Website:** [hamza-pecenek-website](https://hamzapecenek.github.io/hamza-pecenek-website/)  
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**GitHub**: [HamzaPecenek](https://github.com/HamzaPecenek)  
**Location**: Istanbul, Turkey

**2. Summary**

Computer Science sophomore at Turkish-German University with a strong interest in quantum computing, machine learning, data engineering and web development. Seeking an internship to apply and deepen my knowledge in ML research. Motivated by projects that create meaningful impact on society.

**3. Education**

***Turkish-German University - Bachelor of Science in Computer Science*Expected Graduation**: 2027  
**Current GPA**: 3.06  
**Relevant Coursework**: Object-Oriented Programming, Statistics, Operating Systems, Database Systems, Linear Algebra, Discrete Structures, Embedded Systems

***Tofaş Science High School*****Graduation**: 2022  
**GPA**: 3.9  
**Relevant Projects**: Designed a line-following robot-car with Arduino Uno.

**4. Skills**

***Programming Languages***: Python, Java, JavaScript, C, SQL

***Web Development***: HTML, CSS, Django

***Tools & Frameworks***: Git, TensorFlow, scikit-learn, pandas, NumPy, matplotlib, Keras

***Concepts***: Machine Learning, AI fundamentals, Quantum Computing (studying), Database Systems

***Soft Skills****:* Problem-solving, self-motivation, adaptability, fast-learning

**5. Experience**

***STEM Mentor & Robotics Assistant - Türkiye Teknoloji Vakfı - Internship***

December 2022 – June 2023

Selected for a mentorship-based program at "T3 Vakfı".  
- Taught robotics, Arduino, and basic programming to middle school students.  
- Assisted instructors in planning and delivering STEM workshops 2–3 times per week.  
- Developed communication, leadership, and teaching skills through direct mentoring.  
- Supported hands-on projects in electronics and coding, helped 8+ students build their first robots

***Board Member - TAU Inf[X] – InformatiX Club***

September 2024 - Current

Actively involved in the leadership and operational management of InformatiX, the technology and informatics club of Turkish-German University

**6. Certifications / Courses**

***Harvard’s CS50 Series***: AI, Python, Web, Introduction to Computer Science

***Global AI Hub****:* Python, Machine Learning, Hyperautomation, Deep learning, Artificial Intelligence

***YetGen****:* AIforSkills certificate

***TestDaf***: B2 certificate

***GEN Academy***: Software Technologies and Artificial Intelligence certificate

***Kaggle****:* Python, Pandas, Machine Learning, AI Ethics, Game AI and Reinforcement Learning, Data Visualization, Data Clearing, Introduction to Deep Learning

***Akbank****:* Sustainability and Ethics certifications

**Miuul:** Python Programming for Data Science, Machine Learning Summer Camp, Environment, Green Transformation and Sustainability Expertise

**7. Projects**

***Personal Website***May 2025 – August 2025

* Designed and built a personal web-CV for showcasing education, skills, and projects.
* Ensured responsiveness, accessibility, and fast performance.
* Integrated download links and external profile connections
* Planning to add backend control with Django to be able to write blogs.

***Text-based Game with ML***April 2025 – Current

* Building a machine-learning-enhanced text game with adaptive narrative paths.
* Using data preprocessing and evaluation to optimize in-game AI logic.
* Focusing on replayability and player personalization.

**8. Language**

Turkish (Native)

English (fluent)

German (Intermediate)

Italian (beginner)

**9. Interests**

Interested in volleyball and fitness since high school. I play piano as a beginner and currently involved in a few long-distance running contests. Also interested in philosophical and ethical concepts related to technology and society.