

# Aylin Muzaffarli

9th Grade Student | Sumgait, Azerbaijan

## 1 Summary

A highly motivated 9th-grade student from Azerbaijan with a deep passion for artificial intelligence, robotics, and physics. Balancing a rigorous academic curriculum with self-initiated projects and Olympiad preparation, I strive to engineer impactful technologies that bridge theoretical science with practical application. My overarching goal is to contribute to global scientific advancements while inspiring youth through innovation.

## 2 Education

### Sumgait 23rd School — Public Education (Standardized Curriculum)

- 9th Grade Student
- Estimated GPA: 3.8/4.0
- Self-driven specialization in mathematics, physics, and informatics
- Expected Graduation: 2028

### CS50: Introduction to Computer Science, Harvard University

- Completed at age 14, exploring foundational concepts in C, Python, web development, and algorithms.
- Final project: A game built from scratch and a reflective journal documenting key takeaways, challenges, and growth throughout the course.
- Website: [aylinmuzaffarli.github.io/cs50-at-14/](https://aylinmuzaffarli.github.io/cs50-at-14/)

## 3 Projects

### AverlinMz — AI Chatbot with Contextual Memory & Goal Tracking

- Created a personalized AI assistant tailored to academic and emotional support, incorporating goal tracking and contextual awareness.
- Continuously tested and iterated with feedback from close contacts.
- Website: [aylinmuzaffarli.github.io/averlinmz-site/](https://aylinmuzaffarli.github.io/averlinmz-site/)

### Atomaroid — Physics Olympiad Preparation Platform

- Designed a web-based study environment with curated problems, conceptual guides, and tailored recommendations for Olympiad aspirants.
- Focused on serving Russian-speaking students in Azerbaijan.
- Website: [aylinmuzaffarli.github.io/Atomaroid/](https://aylinmuzaffarli.github.io/Atomaroid/)

### Exploratory Projects

- *Offline Wikipedia + AI Summarization Platform*

- Aim: Enhance knowledge accessibility through an offline platform that integrates AI-generated summaries and a user-friendly interface.
- Status: Paused due to high technical complexity and lack of incremental development path.
- *Unique Blog with Articles and Personal Insights*
  - Aim: Share reflections on science, technology, and personal development through a personal publishing platform.
  - Status: Paused due to challenges in content consistency and sustaining reader engagement.

## 4 Skills & Interests

### Technical Skills

- Programming Languages: C++ (Beginner, competitive programming), Python (Intermediate, exploratory projects)
- Key Areas: Artificial Intelligence, Robotics, Physics Olympiads, Software Engineering

### Languages

- Azerbaijani (Native)
- English (Fluent)
- Russian (Fluent)
- Turkish (Conversational)

## 5 Extracurricular Activities & Goals

- Preparing intensively for the Azerbaijani Republican Physics Olympiad (RFO), with long-term goals of qualifying for the International Physics Olympiad (IPhO)
- Balancing academic excellence with creative and technical projects to maintain curiosity and avoid burnout
- Actively seeking international mentorship and collaboration to expand beyond conventional academic boundaries

## 6 Contact

Open to connections, mentorship, and collaboration. Reach me at:

- Email: [muzaffaraylin@gmail.com](mailto:muzaffaraylin@gmail.com)
- GitHub: [github.com/aylinmuzaffarli](https://github.com/aylinmuzaffarli)