

# Aylin Muzaffarli

9th Grade Student | Sumgait, Azerbaijan

**Summary** A dedicated 9th-grade student from Azerbaijan with a strong interest in AI, robotics, and physics. I balance a rigorous academic curriculum with self-directed projects and preparation for national Olympiads, aiming to create innovative technologies with real-world impact in AI and robotics. My goal is to contribute to advancements in science and technology while inspiring others through creative, impactful projects.

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

9th Grade Student, 2023–Present

- Estimated GPA: 3.8/4.0
- Pursuing self-driven specialization in mathematics, physics, and informatics
- Expected Graduation: 2028

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

- Developed a personalized chatbot using advanced AI techniques for study goals, context awareness, and emotional engagement
- Work in progress, tested by family and close network
- Website: [aylinmuzaffarli.github.io/averlinmz-site/](https://aylinmuzaffarli.github.io/averlinmz-site/)

## Robotics Kit Website (Upcoming)

- Collaborating with my sister, Nilay, to create an interactive platform for a “6-in-1 STEM solar robot kit,” combining mechanical assembly guides with engaging content for young learners
- Driven by our shared passion for robotics and innovation

## Atomaroid

- An intelligent platform for physics Olympiad preparation, offering problems, articles, and recommendations
- Provides quality study materials to Russian-speaking students in Azerbaijan
- Website: [aylinmuzaffarli.github.io/Atomaroid/](https://aylinmuzaffarli.github.io/Atomaroid/)

## Exploratory Projects

- *Offline Wikipedia + AI Summarization Platform*
  - Concept: An offline-accessible Wikipedia with AI-generated concise summaries and a modern, intuitive design to enhance knowledge accessibility
  - Reason for pausing: Technical scope was overwhelming, and motivation decreased without a clear path for gradual development
- *Unique Blog with Articles and Personal Insights*

- Concept: A website sharing reflections on science, technology, and personal growth
- Reason for pausing: Challenges in maintaining consistent inspiration and concerns about audience engagement

## **Skills & Interests Technical Skills**

- Programming Languages: C++ (Beginner, competitive programming), Python (Intermediate, learning)
- Areas of Interest: Artificial Intelligence, Robotics, Physics Olympiads, Software Engineering

## **Languages**

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

## **Extracurricular Activities & Goals**

- Preparing for the Azerbaijani Republican Physics Olympiad (RFO) by practicing past problems, with aspirations to compete in the International Physics Olympiad (IPhO)
- Balancing academic rigor with creative projects to sustain passion and avoid burnout
- Seeking international mentorship and collaboration to grow beyond traditional schooling

**Contact** Open to connections, mentorship, and collaboration. Contact me at:

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