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

- 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/

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/

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

- GitHub: github.com/aylinmuzaffarli