



Abbas Zeynalov

High School Student

Contact

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Skills

• Arduino (Nano, Uno, Mega, Micro, Pro)

• Sensors & Modules Integration

• C / C++ (Basic)

• Python (Basic)

• Electronics & Circuit Design

• Problem Solving

I am a highly motivated high school student with a deep passion for robotics and engineering. I thrive on solving complex problems and transforming ideas into functional, real-world solutions. My practical experience with Arduino and a variety of sensors has strengthened my ability to design, build, and debug technical systems. Driven by curiosity and continuous self-improvement, I actively explore emerging technologies and expand my skill set. I aspire to pursue engineering studies abroad and contribute to the advancement of innovative technologies that shape the future.

Experience

2021 -

Current

Robotics Team Member

- Participated in national and regional robotics competitions.
- Designed, built and programmed robots for different categories.
- Worked in a team to solve engineering challenges and improve robot performance.
- Shared knowledge and supported other team members.
- Continuously learned new technologies and implemented them in my projects.

EDUCATION

2026-01

High School Education: STEM subjects (Engineering, Technology)

Secondary School No. 8 - Nakhchivan, Azerbaijan

- High School Education (Expected Graduation: 2026)
- Focus on STEM subjects (Engineering, Technology)

PROJECTS

Line Follower Robot: Designed and built a line follower robot using Arduino and IR sensors.

Implemented PID-based control for better accuracy and stability. 2022, Wireless Robot (NRF): Developed a wireless control robot using NRF24L01 module.

Achieved stable long-range communication and precise control. 2023, Obstacle Avoiding Robot: Built

- Engineering & Design Thinking

- Teamwork & Collaboration

- Time Management

LANGUAGES

Azerbaijani – Native

English – Intermediate (IELTS 6.5)

an obstacle avoiding robot using ultrasonic sensors. Integrated real-time obstacle detection and movement system.

INTERESTS

Robotics, Electronics, Programming, AI & Technology, Reading, Problem Solving

SOCIAL ACTIVITIES

- **Guitar:** Playing guitar is my passion. It helps me relax, improve my creativity and focus.
- **Community Involvement:** Participate in community clean-up and charity events. I love contributing to society.
- **Mentoring & Helping Others:** Help and mentor younger students who are interested in robotics and technology.
- **Continuous Learning:** Always self-learning through online courses, books and hands-on projects.