

Amirkhanova Aruzhan

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Aspiring engineer and 12th-grade student at NIS CBD Almaty. Experienced in **IIoT and data-driven research** through an internship at Al-Farabi Kazakh National University. Passionate about hardware-software integration and applying AI to industrial solutions.

Education

Nazarbayev Intellectual school of Science and Mathematics in Nauryzbay district of Almaty | *Class of 2026*

gpa 4.9/5.0

Children's Music School No. 5 | 2014 – 2019

- **Prima Kobyz** (Distinction). Winner of Republican music competitions since 5th grade.

Extracurriculars

ENGINEERING & RESEARCH

Research Intern | Al-Farabi Kazakh National University (KazNU) | Jan 2025
– Present Project: "IoT-based wearable devices for student stress monitoring"

- Collaborating on **hardware-software integration** for biometric sensors (ECG, GSR).
- Performing data acquisition and sensor calibration for AI-driven health models.
- Testing user interfaces for data monitoring systems.

Participant | SIEMENS International Winter School | March 2025

- Intensive 72-hour program focused on **Digital Twins, IIoT, and AI** for industrial digitalization.

LEADERSHIP & PROJECTS

Organizer | NIS CBD Model UN & IELTS Mock Tests

- Managed logistics and coordination for large-scale academic events.

Test scores

SAT: 1340 | IELTS: 6.5

Honors

First Prize Diploma: Republican Art Competition for Creative Youth, *Art and Peace* category.

Second Prize Diploma: 4th International Literary Competition *Pushkin Readings*.

Language

Kazakh: Native/Excellent proficiency

Russian: Native/Excellent proficiency

English: Advanced/Excellent proficiency

