NURASSYL MUSSAINOV

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SUMMARY

Mathematical & Computational Sciences undergraduate at Astana IT University, focused on backend and systems-oriented software. Research experience in Kazakh speech technology, independent software development, and practical AI integration.

EDUCATION

Astana IT University — BSc, Mathematical & Computational Sciences (MCS) | 2026–Present

High School Gymnasium named after S. Maulenov — High School Diploma | 2019–2026 | Diploma average: 4.71/5.00

RESEARCH & TECHNICAL PROJECTS

Kazakh Speech Recognition & Synthesis Research | December 2024 — Conducted research on speech recognition and synthesis for Kazakh; prepared an academic report and presented the work. First place at the regional stage of the Republican Project Competition.

Forecasting & Data Analytics | Astana IT University — Developing forecasting and data analytics models in code; examining how model assumptions affect simulation results.

Independent Software Development | GitHub — Develops backend- and systems-oriented software, developer tools, and reusable libraries; public code and documentation are available on GitHub.

LEADERSHIP & COMMUNITY SERVICE

American Corner Kostanay | Volunteer & Summer Camp Moderator | May 2025–May 2026 — Contributed 198 volunteer hours supporting Coding, Engineering, and Math Clubs; moderated camp sessions, prepared learning activities, and helped organize inclusive events for participants aged 14–55.

School Programming Club | Founder & President | 2025–2026 — Founded a peer-learning club, organized practical coding activities, and taught programming to classmates.

School Volunteer Initiative | Founder & Coordinator | 2025–2026 — Coordinated classmates delivering educational activities in English, mathematics, and programming for children at an orphanage.

HONORS & AWARDS

Third Place — Qostanay AI Industry Hackathon (2026); team captain; advanced to the final 12 among 100+ teams.

Finalist — Beginit: Leadership for Social Justice (2024–2025); selected among 57 finalists from 2,222 applicants.

Second Place — “Rescue Robots” Project Competition, 15–18 age category (April 2025); team concept for an emergency-response robot.

First Place — Regional informatics competition.

TECHNICAL SKILLS

Programming — Python, C++, Rust, TypeScript, Go

Frameworks & APIs — FastAPI, Flask, React, Tauri, REST APIs

Operating Systems & Developer Tools — Linux, Git, GitHub

Databases & Infrastructure — PostgreSQL, Redis, Docker

AI & Tools — Hugging Face Transformers, Vosk, OpenAI API, Streamlit

LANGUAGES

Kazakh and Russian (native) | English: C1 | IELTS 7.0 (L 7.5, R 7.0, W 7.5, S 6.5)