

Aruzhan Aitmukhambetova

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EDUCATION

Carnegie Mellon University — School of Computer Science

B.Sc. in Computer Science (Expected)

Doha, Qatar

Aug. 2025 – May 2029

Nazarbayev Intellectual School

STEM Curriculum (High School Diploma)

Pavlodar, Kazakhstan

2019 – 2025

EXPERIENCE

CEO & Co-Founder

TastyBite — Food Tech Startup

Oct. 2023 – Present

Pavlodar, Kazakhstan

- Built cross-platform app with **Flutter (Dart)**, **Firebase**, REST APIs; secure auth, offline caching, real-time sync.
- Applied **data structures/algorithms** to optimize inventory lookup and order batching, cutting latency 25%.
- Set up **GitHub Actions** CI/CD, branch protections, PR reviews; ran Agile sprints.
- Conducted UI/UX iterations in **Figma** with WCAG/ARIA compliance.

Leader — Regional Club

NIS Valley (with Astana Hub)

2021 – Present

Pavlodar, Kazakhstan

- Delivered 10+ coding workshops (**Python**, JS, SQL) to 100+ students; mentored through SDLC.
- Organized hackathon; built **Python** judging tool to process/score submissions.
- Guided teams on Git workflows, secure API design, and accessibility basics.
- Reviewed code for readability, testing, and performance.

Software Development Intern

Astana Hub — Tech Park

2024

Pavlodar, Kazakhstan

- Prototyped SaaS MVP in **Node.js/Express** with JWT auth, SQL schemas, REST API integrations.
- Developed React components with semantic HTML/ARIA; deployed to **GCP**.
- Implemented query optimization, caching, and error handling for resilience.

Coding Instructor

GripTape — STEM Nonprofit

2022 – 2023

Pavlodar, Kazakhstan

- Taught **Python** fundamentals, data structures, and version control to 20 students.
- Built 15+ projects with incremental testing and debugging exercises.
- Used **GitHub Classroom** for collaborative workflows.

Intern — Marketing/Design Automation

QIYAL Studio & Sadriev Agency

2023 – 2024

Astana, KZ / Green Bay, WI

- Automated analytics reports in **Python**, cutting manual work 40%.
- Built internal JS/HTML tools linked to REST APIs; validated assets and schedules.
- Integrated Trello/Notion via API for task automation.

PROJECTS

Food Waste Reduction App | *Flutter, Firebase, REST, Figma*

- End-to-end app enabling vendors to list surplus food; secure auth, real-time updates, offline-first caching.

Hackathon Judge Automation | *Python, CLI, CSV/JSON*

- CLI tool aggregating scores, normalizing weights, and outputting ranked results.

TECHNICAL SKILLS

Languages: Python, C++, Java, JavaScript, Dart, SQL

Frameworks/Tools: Flutter, React, Node.js, Firebase, Git/GitHub, Docker, Jira

CS Fundamentals: Data Structures & Algorithms, OOP, Testing, Agile/Scrum

Cloud/Platforms: Google Cloud Platform, REST/GraphQL, OAuth/JWT

UI/Accessibility: HTML5/CSS3, ARIA, WCAG, Figma