

SELJAN KARIMLI

Computer Engineering Student · Robotics & AI-Oriented Backend Engineer
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EDUCATION

Azerbaijan Technical University — Computer Engineering GPA: 93/100 (Bachelor's) 2022 – 2026
La Sapienza University of Rome — Applied Computer Science & Artificial Intelligence (Erasmus) 2023 – 2024
Baku European Lyceum — GPA: 4.83/5.00 (High School Diploma) 2011 – 2022

EXPERIENCE

Technocare LLC — Software Developer 2025 September – Present

Designed and deployed a production-scale medical e-commerce and automation platform. Developed cross-platform Flutter applications and a C#/.NET 8 REST backend. Architected MongoDB schemas, JWT-based authentication, admin dashboards, and CI workflows.

Aselsan Baku LLC — AI&Robotics Industrial Intern 2026 February – Present

Worked with the AI & Robotics engineering team on computer vision and intelligent robotics solutions for industrial applications. Assisted in developing and testing machine learning models for object detection and sensor data processing. Contributed to integrating AI modules into ROS/ROS2-based robotic systems and evaluating their performance in simulation and real-world scenarios. Collaborated with engineers to document experiments, improve model accuracy, and support prototype system deployments.

METU ROMER (Middle East Technical University) — Summer Research Intern 2025 July – 2025 August

Robotics and AI research within the BEKO project for domestic object recognition. Built ROS 2 pipelines integrating Intel RealSense D455 with Franka RobotArm. Implemented Python-based 3D reconstruction, camera calibration, and sensor fusion. Worked with Vision–Language–Action and LLM-based robotic reasoning models.

SELECTED PROJECTS (GITHUB)

Technocare Platform (Published on [Play Market](#) & App Store)

End-to-end engineering services and e-commerce system. Flutter clients (Android/Web/Windows) + .NET 8 REST API. MongoDB-backed order, cart, notification, and application pipelines.

Family Face Recognition

Python-based ML system for controlled face recognition tasks. Dataset management, model evaluation, and inference pipelines. Applied classical CV + deep learning workflows.

Robotics & Perception Pipelines

ROS 2-based object recognition and spatial understanding. RealSense depth processing, MeshLab mesh refinement, IsaacSim simulation. Modular research-oriented codebase for experimentation.

SKILLS

Programming: Python, C#, C++, Dart, SQL

Frameworks: .NET 8, Flutter, ROS 2, PyTorch, MongoDB

Research Areas: Robotics, Machine Learning, Computer Vision, NLP, LLMs

AWARDS & ACTIVITIES

Heydar Aliyev Presidential Scholarship (2023)

AFS STEM Academy Alumni — Egypt (2022)

The program explores STEM, sustainability, design thinking, tools for problem solving, and social innovation concepts and practices through online modules, skills assessments, and interactive discussions with a global cohort of peers from around the world, and culminates in a University of Pennsylvania CSIS and AFS-evaluated capstone project and presentation for a total of 51 active learning hours.

Code Academy – Backend oriented Software Development Certificate (2024-2025)

LANGUAGES

English (IELTS 8.0), Azerbaijani (Native), Turkish (Native), Russian (Intermediate), French (Beginner), Italian (Beginner)

HACKATHONS & COMPETITIONS

Bitget Hackathon — 3rd Place (\$500 Award)

May 2025

Developed a blockchain-oriented investment platform (CopyStake). Focused on applied AI and fintech system design.

GDG Baku Vibe Hackathon — 1st Place

June 2025

Built an AI-powered application for personalized daily styling. Applied recommendation systems and user-centric ML pipelines.

SabahLab Hackathon — 1st Place

September 2025

Designed a fintech platform for investing in intellectual property. Emphasized scalable backend architecture and AI-assisted analytics.

PROFESSIONAL COMMUNITIES & AFFILIATIONS

Google Developer Group (GDG) Baku — Community Member

- Active participant in developer events, hackathons, and AI-focused technical sessions.
- Helped in organization of DevFest 2025 and MicroSaaS hackathon, sustained github and discord servers.

Women Techmakers (WTM) — Community Member

- Member of Google's global initiative supporting diversity and leadership in technology.
- Helped in organization of IWD 2026

RECOMMENDATIONS

Alakbar Valizada — Academic Advisor & Faculty (Azerbaijan Technical University)

Tural Hamzayev — Professional Supervisor (Technocare LLC)

Malik Mammadli — GDG Baku Mentor & Community Lead (Google Developer Group Baku)

M. Efe Tiryaki — Research Supervisor (METU ROMER Robotics Lab)