

Nihad Aliyev

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EDUCATION	M.S. Data and Decision Sciences , Middle East Technical University, 2023-2025 Thesis topic: Integrating Reinforcement Learning into Transformer-based Generative Models for Time Series Analysis CGPA: 3.33/4.00
	B.S. Computer Engineering , Middle East Technical University, 2022 Supervisor: Asst. Prof. Dr. Pelin Angin. CGPA: 2.75/4.00
COMPETENCES	Languages Azerbaijani (<i>Native</i>), English (<i>Advanced</i>), Turkish (<i>Bilingual proficiency</i>), French (<i>Intermediate</i>), Russian (<i>Elementary</i>) Practical Skills Python, C/C++, C#, XML, Java, L ^A T _E X, Xamarin, Visual Studio, HTML, CSS, Bootstrap 5, JavaScript, jQuery, Node.js, Express.js, Firebase, PostgreSQL, Angular 12, TypeScript, scikit-learn, TensorFlow, Vaadin, DelphiScript, Django, React.js, Golang, Kafka, MQTT, Agile/Scrum framework, AWS IoT, ASP.NET Core, gRPC.
EXPERIENCE	Software Engineering (Full-time) , Elekon, Ankara (Turkey) Jan 2024–Oct 2025 Remote monitoring, control and management of Internet of Things (IoT) devices of street lighting system Web Development using HTML, CSS, JavaScript, Angular, PostgreSQL, Flask, Python, MQTT, Kafka, AWS IoT etc. technologies Simulator application for a network of IoT room control units, developed in Java with multithreading and event-driven messaging Backend development on ASP.NET Core, PostgreSQL database management, Task Scheduling, Caching by Redis, MQTT integrations, REST and gRPC API development
	Software Engineering (Full-time) , TechNarts, Ankara (Turkey) Aug 2022–Nov 2023 Full-stack web development using Django, Python, React, PostgreSQL IP range scanning, SNMP inspection and SNMP network device data collection by multithreading with GoLang R&D project for performance and cut prediction of fiber networks: Time Series Data analysis, Prediction by ARIMA, SARIMA, LSTM RNN, Temporal Fusion Transformer models, and fiber cut classification by Random Forest and Decision Tree models
	Software Engineering (Part-time) , Creas Technology (CST), Ankara (Turkey) Feb 2022–Jul 2022 Automation in niche areas using programming APIs on DelphiScript and C# Enterprise web application full-stack development using Java, Spring framework, PostgreSQL, Vaadin, Amcharts
	Graduation Project - Virtual Reality Stores , METU, Ankara (Turkey) Nov 2021–Jun 2022 The project was proposed by Arcelik, and as a group of 5, we worked on virtual shopping application of the household appliances. I worked on Web and Unity3D development side of the project using C#, MongoDB, Angular12

Web Development Intern, Deplike, Ankara (Turkey) Mar 2021–Oct 2021
Front-end and back-end development using HTML, CSS, Javascript, JQuery, Nodejs, Express, and Angular frameworks and languages. Firebase databases and cloud functions were used. Agile Scrum methodology was applied.

Android Development Intern, Ada Yazılım, Istanbul (Turkey) Jun 2019–Aug 2019
Front-end development of a mobile application on XML/C# on Xamarin platform for Android.

Software Engineering Intern, Cybernet LLC, Baku (Azerbaijan) Jun 2018
Software development on JAVA for business needs.

SOCIAL
ACTIVITIES

Guide, ODTÜ LODOS Topluluğu Sep 2019 – Present
Guidance of groups of a project in LODOS(A Student community engaged in social responsibility projects for people with Leukemia, Autism, Down Syndrome, Cerebral Palsy).

Active Member, ODTÜ LODOS Topluluğu Jan 2018 – Present

Team Member, METU Fencing Team 2018 – 2019
Team member on sabre discipline.

Chairperson, European Youth Parliament Azerbaijan 2017
Chairperson of groups of 10-12 on EYP Sessions.

Executive Committee Chair, Baku European Lyceum Debate Club 2016 – 2017
Management of executive committee, organizing debate tournaments.