

# Muhammed Murat Yanaşoğlu

## Software Engineer | AI Engineer

**Address:** Nicosia, Northern Cyprus (TRNC) | **Nationality:** Northern Cyprus (TRNC), Turkey

**Languages:** English (Advanced) , Turkish (Native) , French (Beginner) , Arabic (Intermediate)

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## EDUCATION

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### Artificial Intelligence Engineering | Master's Degree | 100% English Instruction

Near East University | Nicosia, TRNC

- Contributed to various academic research papers and projects.

See: <https://orcid.org/0009-0007-4722-8079> (Note: My papers that are currently in the journal review process could not be included.)

### Software Engineering | Bachelor's Degree | 100% English Instruction

Near East University | Nicosia, TRNC

- Completed the 4-year engineering bachelor's program in 3 years. Completed the 1-year English preparatory program in half a semester.
- Fall 2024-2025 (GPA 3.93), Spring 2023-2024 (GPA 3.76), Fall 2022-2023 (GPA 3.81) academic terms, I was a “High Honor” student.
- Founded the Near East University Artificial Intelligence Club and served as its president.

## PROFESSIONAL EXPERIENCE

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### AI Engineer

Porttus AI | Seattle, United States | June 2025 - December 2025 | Remote

- Developed automation systems integrated with AI technologies.
- Prepared documentation, and performed analysis and interpretation using trained AI models.
- RAG (*Retrieval-Augmented Generation*) and developed voice assistant systems with fine-tuned AI chatbots.
- Worked on training and customization of AI models.
- Developed various projects using technologies such as Docker, CI/CD pipelines, and OCR (*Optical Character Recognition*) and related technologies.

## **AI Engineer / Front-End Web Developer**

**Trylon AI | Denver, Colorado, United States | February 2025 - June 2025 | Remote**

- Developed LLM-based AI applications and solutions for the company.
- Designed and implemented prompt engineering techniques and RAG (*Retrieval-Augmented Generation*) architectures for large language models.
- Built the company's documentation website and added AI-powered features.

## **Software Engineer - Intern**

**Near East University AI & Robotics Institute | Nicosia, TRNC | June 2024 - September 2024 | In-person**

- Contributed to software development and research projects at the AI & Robotics Institute.
- Took on responsibilities in code development and data analysis for academic research projects.
- Conducted data analysis and visualization for research experiments using Python and Jupyter Notebook. Documented research results and prepared technical presentations for academic team members.

## **Front-End Web Developer**

**Nüve Core Software & Digital Agency | Ankara, Turkey | September 2023 - March 2024 | Remote**

- Worked full-time for 6 months as a front-end developer, responsible for front-end web development and UI design/implementation using React.js, Next.js, TypeScript, and CSS libraries. Implemented performance optimizations using Next.js Server-Side Rendering (*SSR*) and Incremental Static Regeneration (*ISR*) features.

- Designed accessible and modern interfaces aligned with responsive design principles using the Tailwind CSS framework.

## Software Engineering - Intern

Nüve Core Software & Digital Agency | Ankara, Turkey | July 2023 - September 2023 | In-person

- Gained experience in software development processes and teamwork with Agile/Scrum methodology, including preparing project documentation and updating user documentation.
- Gained foundational experience in front-end (*HTML, CSS, JavaScript, React*) technologies. Supported tasks such as third-party API integrations and writing unit tests.

## PROJECTS

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1. **AI Powered Trading Automation: Crypto, USA Form-4 Insider Trading, Stocks** (*With table/chart reporting support to capture signals from buy/sell transactions*) [Private]
2. **Other Automation Projects: Managing Google Drive (n8n), Auto-filling Documents with Data, Automated Social Media Content Generation from Current Tech News Automation** (*Automatically scans trends from selected major up-to-date tech news sites, reports them to the user via email with charts and tables, generates a blog post for each news item with tables and figures, gets social media content suggestions from the blog post, and then automatically produces those social media contents*) [Private]
3. **AI-Powered OCR Project for Ancient Languages: Ancient Greek, Fraktur (Old German), Classical Latin** (*Translation of these languages, AI-based summarization, interpreting historical value, extracting keywords, and providing downloads in various formats*) [Private]
4. **AI Chatbot and AI Voice Assistant with RAG & Fine-Tuning** [Private]
5. **Object Name Tutor: Daily Vocabulary Learning with a Bilingual (English and Turkish) ROI-Controlled Object Recognition System Using Computer Vision** (*Between English / Turkish languages*) [Private]
6. **Near East University Faculty-Student Office Hours Reservation Website** (*The project consists of two separate websites for students and faculty. Students access detailed faculty information and schedules, and send a request to a faculty member by selecting an unreserved office hour from the timetable and entering the request details. Faculty view the student and request details and can accept or reject the reservation, or contact the student through the platform for more details.*) [Private]

7. **Prof. Dux: AI-Powered Artwork Analysis and Blog Generation Web Platform** (*Artwork can be analyzed in detail by selecting one of several AI models, or by selecting multiple models in the experiment section for comparison. All results related to the artwork are produced. In addition, the model's metrics and accuracy score can be obtained and downloaded in HTML and JSON formats. Based on this analysis result, a blog post can be generated using the entered prompt, selected tone, and length.* [Public: <https://profdux-artwork-analysis-app.vercel.app/> ]
8. **Screen Guardian - Desktop Screen Time Monitoring, Control, and Lock Application**  
[Public: [https://drive.google.com/file/u/1/d/103E\\_RuJWs-q-vao7GoemU-bDHnrdbthG/view?usp=drive\\_link](https://drive.google.com/file/u/1/d/103E_RuJWs-q-vao7GoemU-bDHnrdbthG/view?usp=drive_link) ]
9. **AI Powered Personal Websites** [Public: <https://www.mervekirmiziyuz.com/> , <https://drsergazy.com/> ]

## TECHNICAL SKILLS

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- **Programming Languages:** Python, SQL, Typescript, PHP
- **Frameworks & Libraries:** Pandas, Numpy, Matplotlib, Next.js, React.js , HTML, CSS, Tailwind CSS, Bootstrap CSS, OCR Tesseract
- **Databases:** PostgreSQL, MySQL  
**Automations:** n8n , Langflow
- **Tools & Technologies:** SQLAlchemy, Linux (Kali Linux), Software Project Management, Software Requirements Analysis, Software Architecture and Design, phpMyAdmin, XAMPP, Computer Vision ROI, Docker CI/CD

## CERTIFICATIONS

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1. **Python for Data Science, AI & Development** - Issued by IBM
2. **Developing AI Applications with Python and Flask** - Issued by IBM
3. **Generative AI: Elevate Your Software Development Career** - Issued by IBM
4. **Django Application Development with SQL and Databases** - Issued by IBM
5. **Developing Front-End Apps with React** - Issued by IBM
6. **Developing Back-End Apps with Node.js and Express** - Issued by IBM

7. **Full-Stack Application Development Capstone Project** - Issued by IBM
8. **Full-Stack Software Developer Assessment** - Issued by IBM
9. **Application Development using Microservices and Serverless** - Issued by IBM
10. **Getting Started with Git and GitHub** - Issued by IBM
11. **Introduction to Cloud Computing** - Issued by IBM
12. **Introduction to Containers with Docker, Kubernetes & OpenShift** - Issued by IBM
13. **Introduction to Web Development with HTML, CSS, and JavaScript** - Issued by IBM
14. **Certificate of Success in Entrepreneurship** - Issued by the European Union
15. **Internship High Success Certificate** - Issued by Near East University, AI and Robotics Institute

**Note:** You can access the originals at <https://muratyanasoglu.com/> on my personal website.

## EXTRACURRICULAR ACTIVITIES

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- **Founder & President:** Artificial Intelligence Club (Near East University)
- **Member:** CodeCrafters Software Club (Near East University)
- **Representative:** Software Engineering Department Representative (Near East University)
- **Former Licensed Football Player:** Played in youth academies and the A-team in the TRNC
- **Chess Enthusiast:** Participated in various tournaments; placed third in the Eastern Mediterranean University Chess Tournament