

# Furkan Çinko

Istanbul / Turkey

[Portfolio](#)

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## PROFILE

Computer Engineering graduate (GPA: 3.58/4.0) with hands-on experience in AI automation, backend development, and data science. Built and deployed production-oriented applications using Python, FastAPI, PostgreSQL, LLMs, and modern machine learning frameworks. Experienced in developing AI-powered workflows, data pipelines, and mobile applications through internships and personal projects. Passionate about building scalable systems that solve real-world problems.

## EDUCATION

Bachelor of Computer Engineering — Üsküdar University, Istanbul (Oct 2021 – July 2026)

- High honour standing student with a 3.58/4.0 GPA across a four-year engineering programme covering software development, data structures, statistics, and database systems, with a specialisation focus on AI and Data Science.

Erasmus+ Exchange Program — University of Catania, Italy (Feb 2026 – July 2026)

- Semester-long international academic exchange deepening expertise in cloud infrastructure, big data systems, and data-driven approaches to public health analysis.

English Language Training — London, UK (Sep 2022 – Sep 2023)

- Intensive language programme culminating in C1 Advanced certification, with preparation for the IELTS examination in an international academic environment.

## WORK EXPERIENCE

AI Automation Intern — Apollo Green Solutions, Germany (Remote) (Oct 2025 – Dec 2025)

- Built a fully automated Leave Request System using Power Automate and Outlook API, handling workday calculation, automatic approvals, and calendar event creation.
- Designed an AI-powered HR Automation System leveraging LLMs to evaluate candidates, extract CV data, and route applicants through a structured hiring workflow.
- Collaborated with the operations and development teams to align automation logic with real HR processes.
- Technologies Used: n8n, Power Automate, Outlook API, Notion, OpenAI API (LLMs, embeddings).

Software Engineering Intern — MSC, Istanbul (Jun 2025 - July 2025)

Backend Development Team

- Implemented RESTful CRUD endpoints and contributed to a scalable backend architecture aligned with core business data requirements.
- Technologies Used: .NET, SQL.

Data Science Team

- Analysed truck fuel consumption data to detect anomalies and suspicious usage patterns.
- Built real-time truck route visualizations (Folium) that improved fleet monitoring efficiency by 20%.
- Technologies Used: Python, Pandas, Matplotlib, Folium

Operations Assistant — MSC Cruises, Istanbul (Jul 2024 – Jun 2025)

- Coordinated daily operations for 500+ passengers, ensuring seamless service delivery in a fast-paced, multinational environment.
- Developed cross-departmental collaboration and problem-solving skills under tight operational deadlines.

## SKILLS

- **AI & Machine Learning:** TensorFlow, PyTorch, Keras, Scikit-learn, Hugging Face Transformers, LangChain, OpenAI API, RAG, NLP, Computer Vision, LLM-based Automation.
- **Data Science & Analysis:** Pandas, NumPy, Matplotlib, Seaborn, Folium, SQL, Data Cleaning, Feature Engineering
- **Backend & Databases:** FastAPI, Django, .NET, PostgreSQL, MySQL, Supabase, pgvector
- **Tools & Platforms:** Git, Docker, n8n, Airflow, Power Automate,
- **Languages:** Turkish (Native), English (C1 – Advanced), Italiano (A2 - Beginner)

## PROJECTS

References available upon request.

## Machine Learning & Deep Learning Projects

Here are some projects I've worked on to apply my knowledge to real-world experiences, including machine learning and deep learning applications.

- Machine Learning Projects: <https://github.com/CinkoFurkan/Machine-Learning-Projects>
- Deep Learning Projects: <https://github.com/CinkoFurkan/Deep-Learning-Projects>

### Istanbul AI Guide App (May 2026)

Cross-platform AI-powered mobile travel companion for tourists visiting Istanbul, combining GPS-based location awareness with an LLM backend for contextual landmark guides and personalised itineraries.

- Built a FastAPI backend integrated with Anthropic's Claude API for real-time streaming itinerary generation, multilingual AI chat, and contextual landmark guidance.
- Implemented GPS-based proximity detection and geofencing to automatically trigger location guides upon arrival at landmarks.
- Designed an offline-first architecture with a normalised PostgreSQL database and pgvector for semantic search.
- Technologies: React Native, Expo, FastAPI, PostgreSQL, pgvector, Anthropic Claude API, Supabase, MapLibre GL, ElevenLabs, TypeScript, Python.

More about the project: [https://github.com/CinkoFurkan/istanbul\\_ai\\_guide](https://github.com/CinkoFurkan/istanbul_ai_guide)

### Student Affairs AI Email Agent (Sep 2025)

Intelligent email automation system that processes student inquiries, generates AI-powered responses, and manages human approval workflows for university student affairs departments.

- Automated email monitoring and filtering via Gmail API with intelligent categorisation by topic (admissions, financial aid, academics) and urgency scoring.
- Implemented RAG pipeline searching university policy documents to generate accurate, citation-backed responses.
- Integrated Slack approval workflow with full audit trails for human-in-the-loop oversight.
- Technologies Used: n8n, OpenAI GPT-4o-mini, RAG, Supabase (PostgreSQL + vector embeddings), Slack API, Gmail API, LangChain, JavaScript.

More about the project: <https://github.com/CinkoFurkan/Student-Affair-AI-Email-Agent>

### Prayer Tracker App (Jan 2026)

Developed a cross-platform mobile application designed to help users track daily prayers, build consistent habits, and stay motivated through social and habit-building features. The application is completed and is currently being prepared for deployment on the App Store and Google Play Store.

- Backend & Database: Developed secure backend architecture with JWT-based authentication and PostgreSQL database integration using Alembic migrations.
- Social Features: Implemented friend system functionality, allowing users to add friends, share progress, and maintain prayer streaks together for increased motivation and accountability.
- Cross-Platform Development: Built and optimized the application for both iOS and Android platforms with a responsive and modern mobile-first design.
- Technologies Used: React Native, Expo, FastAPI, PostgreSQL, Alembic, JWT, Swift (iOS Widgets).

More about the project: <https://github.com/CinkoFurkan/prayer-tracker-app>

### Brain Tumour Detection (Jan 2025)

End-to-end deep learning application that analyses MRI scans to detect potential brain tumours, deployed publicly on Hugging Face Spaces.

- Trained a VGG16-based convolutional neural network achieving fast, accurate classification on MRI image data
- Deployed as an interactive web application accessible via Hugging Face Spaces
- Technologies: TensorFlow, Keras (VGG16), NumPy, OpenCV, Flask, Hugging Face Spaces.

More about the project: [https://huggingface.co/spaces/FurkanCinko/Brain\\_Tumour\\_Detection](https://huggingface.co/spaces/FurkanCinko/Brain_Tumour_Detection)

## CERTIFICATES

IBM Data Science Professional Certificate

IBM Generative AI Engineering

Harvard University's CS50: Introduction to Computer Science || Introduction to Programming with Python

SuperDataScience Team: Deep Learning || Machine Learning