

Mert Kaya

AI ENTHUSIAST · COMPUTER ENGINEER

Ankara / Turkey

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Summary

Results-oriented Computer Engineer with good academic background and practical experience in Artificial Intelligence, especially Deepfake Detection. Has a B.Sc. degree in Computer Engineering from TOBB University and an M.Sc. degree in Computer Engineering at TED University on a full scholarship with a 3.2 GPA. Is currently near thesis defense on AI-based video analysis.

With more than 5 years cumulative experience comprising 2.5 years of full-time, 1 year of contractual, and 1.5 years of internship experience in Fullstack Development, AI Engineering, Data Science, and Mobile App Development. Looking forward to developing smart systems and providing scalable, practical AI solutions.

I have completed my mandatory military service in Turkey.

Work Experience

KKB (Credit Bureau of Turkey)

Istanbul, Turkey

FULLSTACK ENGINEER

Mar. 2023 – Aug. 2024

- Worked on financial softwares used across the banking sector.
- Built and maintained fullstack features with attention to performance and reliability.
- Collaborated with product and design teams to ship production-ready features.

Alictus

Remote / Turkey – USA

FULLSTACK ENGINEER

Dec. 2021 – Sep. 2022

- Migrated internal tools to the cloud, making them faster and easier to manage.
- Worked closely with data and backend teams on core systems.

AgriDL

Dubai, UAE

AI & FULLSTACK ENGINEER (CONTRACT)

Sep. 2022 – Feb. 2023

- Developed deep learning models for smart farming.
- Built a mobile app from scratch that integrated with the AI backend.
- Collaborated with government partners on real-world use cases.

SimBt, BiSoft, Roar Games

Ankara, Turkey

SOFTWARE ENGINEER (FREELANCE / INTERNSHIP)

Dec. 2019 – Dec. 2021

- Gained experience through various roles in web, AI, and game development.
- Built real projects and prototypes in both team and solo environments.

Education

TED University

Ankara, Turkey

M.Sc. IN COMPUTER SCIENCE

Feb. 2023 – Present

- Awarded a full merit-based scholarship.
- Thesis focused on deepfake detection and video-based AI models.
- Completed my classes with 3.2 GPA.
- Currently in thesis defense phase.

IU International University of Applied Sciences

Berlin, Germany (Remote)

M.Sc. IN COMPUTER SCIENCE (1 YEAR)

2022 – 2023

- Awarded a full scholarship for the Artificial Intelligence program.
- Studied for one year before transitioning to TED University to pursue a more personalized thesis topic in AI.

TOBB University of Economics and Technology

Ankara, Turkey

B.Sc. IN COMPUTER ENGINEERING

Aug. 2016 – Dec. 2021

- Completed a 5-year program with strong focus on AI, NLP, software systems, algorithms, and applied engineering.

Skills & Interests

LANGUAGE

- English C2 - IELTS
- German B1 - TELC
- Turkish - Native

APPLIED AI & DEEP LEARNING

- Created the first deep learning-based Turkish poem generator in my university's NLP course using RNNs.
- Gained experience in deepfake detection and video-based computer vision models during my M.Sc. thesis at TED University.
- Developed a simulation model using AI and deep learning techniques to predict the spread of COVID-like diseases under various case scenarios.
- AI is a personal passion — I actively follow new models, techniques, and trends in the ML/AI ecosystem.
- References available from my NLP professor and thesis supervisor, who is also the Head of Department at TED University.

TECHNICAL SKILLS

- Languages: Python, JavaScript (React/Node), Java, C#, SQL, Bash
- Frameworks: TensorFlow, PyTorch, OpenCV, Keras, FastAPI, Flask, Flutter
- Tools & Platforms: Git, Docker, Firebase, Unity3D, PostgreSQL, MongoDB, VSCode
- Other: RESTful API Design, AI Model Deployment, Fullstack Development, Game Development(Unity + C#)

INTERESTS

- Building side projects and prototypes in AI and Mobile
- Music Theory and playing my electric guitar

Projects

DEEPAKE DETECTION THESIS

- Developed a deep learning-based pipeline for detecting deepfakes in video data.
- Used CNNs and frame-level preprocessing; focused on accuracy and robustness.

TURKISH POEM GENERATOR (NLP COURSE)

- Built the first deep learning model at my university to generate Turkish poetry using RNNs.
- Used an LSTM-based architecture trained on a custom dataset of Turkish poems.

COVID SPREAD SIMULATION

- Designed a simulation model using AI to predict disease spread under different policy scenarios.
- Explored the behavior of infection curves based on movement restrictions and health responses.

References

Project Manager

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SimBT

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More references available upon request.