ALI CAN TURAN

Data Scientist

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🔗 https://alicanturan.com/   📍 Elstal (Wustermark), Brandenburg, Germany

PROJECTS

Hybrid Deep Learning Framework for Stock Price Prediction Incorporating Technical and Macroeconomic Indicators

📅 2024

- Developed a hybrid deep learning model (BiLSTM + CNN) integrating technical and macroeconomic indicators to predict stock prices.
- Built an automated trading bot using LSTM-based architecture and evaluated real-world performance.
- Built using **Python**, leveraging **TensorFlow/Keras** for model design, **NumPy** and **Pandas** for preprocessing, **Scikit-learn** for evaluation metrics, **yFinance** for data collection, and **Matplotlib** for visualization.
- Published results in an **IEEE-indexed research paper (2024)**.

Crypto Price Prediction & Automated Trading Bot

📅 2025 - Present

- **Leading the end-to-end development** of an AI-powered trading system for cryptocurrency markets.
- Implementing **hybrid deep learning models** for financial market prediction using **TensorFlow** and **PyTorch**.
- Collecting and processing **real-time financial and sentiment data** from public APIs.
- Leading a small team developing the project's **web and mobile interfaces**.
- Applying **Agile methodologies** (**Scrum & Kanban**) for sprint-based development and coordination.
- Integrates technical indicators, order-book data, and news sentiment for real-time market forecasting.
- Deploying the system using **Flask API** and **Docker**, with **CI/CD automation** via **GitHub Actions**.

Web Platform for Career & Education Services

📅 2025 - Present

- Collaborated in a small development team under project supervision to build a web platform offering education, career, and job-matching services in Germany.
- Contributed to frontend and backend development using Next.js, Node.js, and React, while continuously learning and applying API integration techniques.
- Developed LinkedIn-style user and job sections with REST APIs.
- Regularly updated and improved the project together with the team by following feedback and bug reports.
- Gained hands-on experience in web architecture, data handling, and team-based agile collaboration through this ongoing project.

EXPERIENCE

Software Developer Intern

Optimum sinerji

📅 07/2023 - 09/2023   📍 Istanbul, Türkiye

- Collaborated in an **Agile/Scrum environment,** participating in daily stand-ups and sprint planning. Delivered incremental updates while maintaining code quality and project deadlines.
- Developed user interfaces with **C#** and **CSS**, improving UX and data efficiency. Implemented and optimized **MS SQL** database queries for better system performance.
- Supported full **SDLC** — from requirement gathering to deployment and backend integration.

PUBLICATIONS

Hybrid Deep Learning Framework for Stock Price Prediction Incorporating Technical and Macroeconomic Indicators

IEEE – 9th International Conference on Computer Science and Engineering (UBMK 2024)

📅 2024

ieeexplore.ieee.org/document/10773522

- Ali Can Turan, Vael Kokach, Büşra Kocacınar, Öznur Şengel, Fatma Patlar Akbulut

LANGUAGES

English
Proficient
●●●●○

German
In Progress
●○○○○

Turkish
Native
●●●●●

SKILLS

Deep Learning	Python	HTML	CSS

PyTorch	TensorFlow

EDUCATION

Data Science

University of Europe for Applied Sciences

📅 2025 - Present

- Master's Degree

Computer Engineering

Istanbul Kültür University

📅 2018 - 2024

- Bachelor's Degree

AVAILABILITY & WORK PREFERENCES

Monday – Friday: Available after **13:15**

Saturday & Sunday: Fully available (all day)