

Turan İnceöz

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Education

Istanbul Technical University (ITU), Istanbul, Turkey Sep 2022 – June 2027
Bachelor's Degree, Computer Engineering

Kayseri Nuh Mehmet Baldöktü Anatolian High School, Kayseri, Turkey Sep 2017 – Jun 2021
High School Diploma

Experience

Individual Development Projects 2026 – Present

Python, Automation, Data Processing, Applied Machine Learning

- **Automated Trading Bot — Personal Project:**
 - Designed and developed a Python-based automated trading bot for rule-based and data-driven trading workflows.
 - Built a modular system covering market data collection, feature generation, signal production, back-testing, and paper trading flow.
 - Improved reliability and maintainability through structured project organization, logging, and experiment-oriented development.
 - Focused on performance evaluation, risk-aware trade logic, and iterative strategy refinement using historical data.
- **AI-Supported Signal Modeling for Trading Decisions:**
 - Developed a machine learning pipeline to support trading signal evaluation using engineered market features and labeled historical data.
 - Worked on dataset preparation, feature organization, training workflows, and model performance analysis.
 - Explored how predictive modeling can be integrated into an automated decision system alongside rule-based strategy components.

Selected Course Projects, Istanbul Technical University 2023 – Present

Machine Learning, Full-Stack, Embedded Systems

- **Learning from Data — Emotion Recognition (Kaggle Competition):**
 - Built an end-to-end machine learning pipeline including preprocessing, model training, validation, and evaluation.
 - Improved model performance through iterative experimentation and leaderboard-driven tuning.
 - Developed a custom project-specific model tailored to the competition setting.
 - Ranked **1st** on the class Kaggle leaderboard.
- **Database Systems — Full-Stack Web Application (Team of 5):**
 - Developed a data-driven web application in a 5-person team using a public dataset.
 - Contributed to both frontend and backend development, including UI features and service/API integration.
 - Designed database schemas, wrote SQL queries, and integrated the database layer with backend components.
- **Microprocessor Systems — ARM Cortex-M0 Assembly Assignment:**
 - Implemented a cursor-based paint application in ARM Cortex-M0 assembly under register and instruction constraints.
 - Used SysTick timer interrupts to manage periodic updates and control program flow.
 - Processed simulated button inputs and updated a memory-mapped canvas with boundary checking.

Skills & Interests

Programming: C/C++, C#, Python, Assembly, JavaScript, HTML/CSS

Interests: Machine Learning, Embedded Systems, Cybersecurity, Database Systems, Full-Stack Development

Languages: Turkish (Native), English (B1)