

Muhammed Emir Cihangir

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Gaziantep, Turkey

Projects & Skills

Projects

- Signature Analysis
 - Built an AI-powered Signature Authenticator by developing a time-series classification model in TensorFlow/Keras to recognize personal handwriting patterns.
 - Achieved 91% validation accuracy by training a 1D Convolutional Network on sequential pen movement data, showcasing skills in model evaluation and data analysis.
 - Designed a scalable solution, integrating the core model with separate data collection and inference applications, demonstrating a modular approach to software development.
- Rebar Info
 - Developed a cross-platform calculator app designed for civil engineers.
 - Emphasized ease of use with a concise UI design.
 - Published on both Google Play Store and Apple App Store.
- Road Plan Problem
 - Programmed a genetic algorithm to find the shortest route visiting all 15 points.
 - Implemented the Partially Mapped Crossover (PMX) technique for genetic recombination.
 - Demonstrated significantly better performance compared to human-generated paths.

Skills

- Programming Languages & Frameworks: Dart, Flutter, Python, HTML, CSS, JavaScript
- Libraries & Tools: NumPy, Pandas, Matplotlib, TensorFlow, Riverpod
- Version Control: Git, GitHub
- Languages: Native Turkish, fluent English

Certificates

- Python Programming Fundamentals - Issued by Microsoft.
- Data Analysis and Visualization with Python - Issued by Microsoft.

Education

Inonu University

- Bachelor's Degree in Software Engineering
- September 2024 - present
- Malatya, Turkey

Abdulkadir Konukoglu Science High School

- High School Diploma
- September 2018 - June 2022
- Gaziantep, Turkey