Vedat Koylahisar

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Education

BS   **Kocaeli University**, Computer Engineering – Kocaeli, Turkey   Sept 2021 – present
- Building a strong foundation in Object-Oriented Programming and Data Structures, consistently achieving high performance in core engineering courses.
- Bridging the gap between theory and practice by developing full-stack applications using .NET Core, Python, and Modern Web Technologies.

Experience

Software Engineering Intern, Bimser Çözüm – Kocaeli, Turkey   July 2024 – Sept 2024
- Contributed to low-code platform development using .NET Core and SQL technologies.
- Worked on enterprise process management applications and optimized backend queries.

Game Development Intern, Keep Games – Istanbul, Turkey   Sept 2024 – Oct 2024
- Developed game mechanics and systems using Unity game engine and C#.
- Collaborated with the design team to integrate game assets and mechanics.

Projects

Personal Portfolio Website   Aug 2025 – Dec 2025

Interactive portfolio with an AI chatbot assistant.
- Developed using Flask (Python) backend and vanilla JavaScript frontend.
- Integrated a multi-lingual AI assistant powered by Hugging Face models.

EEG-Based Emotion Recognition (TÜBİTAK 2209-A)   Oct 2024 – June 2025
- Awarded research grant under the **TÜBİTAK 2209-A** program for the project titled 'Comparison of Deep Learning Methods Used in EEG-Based Emotion Recognition'.
- Developed and compared CNN, LSTM, and Hybrid models to classify emotions from EEG signals.
- Performed advanced signal preprocessing, noise reduction, and time-frequency analysis.

Skills

Programming Languages: C#, Python, Java, JavaScript, SQL

Web Technologies: ASP.NET Core MVC, Flask, HTML5, CSS3, RESTful APIs

Data & AI: Pandas, NumPy, TensorFlow, OpenCV, Scikit-learn, Matplotlib

Databases: MSSQL, PostgreSQL, MongoDB, Elasticsearch

Tools & DevOps: Git, GitHub, Docker, Render, Cloudflare

Languages: Turkish (Native), English (Professional Working Proficiency)

Certificates

AI Bootcamp Certificate   Mar 2024

Version Control Systems: Git and GitHub   Dec 2025