

Anil Demirok

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EDUCATION

Marmara University, *B.Sc. in Computer Science, English*

Expected Graduation Early 2026

Relevant Coursework: Data Structures, Analysis of Algorithms, Database Systems, Object-Oriented Software Design, Software Engineering, Computer Networks and Security.

EXPERIENCE

UESTCO Energy Systems

Istanbul, Turkey

Software Engineer Intern

Jul 2025 – Aug 2025

- Built scalable backend services using ASP.NET Core with an N-layer architecture, implementing asynchronous CRUD operations for efficient data handling.
- Implemented secure user authentication and authorization with JWT.
- Collaborated on frontend and backend tasks, gaining hands-on experience with full-stack development.

Eryaz Software

Istanbul, Turkey

Software Engineer Intern

Sep 2025 – Present

- Enhanced and maintained legacy systems in a .NET environment.
- Implemented new features and resolved issues across multiple modules to improve system performance and usability.
- Managed and tracked customer-reported tickets in a Jira-like system, ensuring timely resolution and clear documentation.

PROJECTS

Burn Image Classification using Machine Learning - Final Year Project | Marmara University. 2024-2025

- Developed a medical image classification system using machine learning algorithms and pretrained models, achieving 94% accuracy on burn injury datasets.
- Preprocessed images with Cr/Luv color transformations and Fuzzy C-Means clustering to enhance feature extraction
- Compared multiple ML algorithms and CNNs, evaluating performance with accuracy, precision, recall, and confusion matrices.
- Presented the results to the academic reviewers at the university.

Personal Review App - In Progress

- Developed the backend of a full-stack review platform with FastAPI and MongoDB for secure, scalable review storage
- Integrated third-party APIs via FastAPI endpoints to automatically fetch metadata, reducing manual data entry.
- Implemented Redis caching for user libraries to optimize performance for repeated access during a single session.
- Developed CRUD operations in MongoDB; currently building modular React.js frontend and planning Docker-based production deployment.

Other Projects

- Applied ML algorithms for clustering and classification.
- Implemented a relational database with MSSQL Server from real company Excel data.

SKILLS

Languages: Turkish (Native), English (Fluent)

Programming Languages and Frameworks: Java, Python, C#, SQL, JavaScript, React, FastAPI, ASP.NET Core, TensorFlow, scikit-learn, Pandas

Databases: MongoDB, MSSQL, PostgreSQL

Tools & Platforms: Git, GitHub