



# BUSE KOCINOĞLU

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**Website / Portfolio:** [www.busekocinoglu.com](http://www.busekocinoglu.com)

## SUMMARY

Computer Engineering student with hands-on experience in backend development and AI-based projects. Contributed to a TÜBİTAK 2209-funded mobile application project, focusing on backend integration, data analysis, and system design. Skilled in Python and Java, with experience in RESTful APIs and database systems. Active member of the university's Cyber Security Community and Technical Team of the Informatics Society. Seeking a backend or AI-focused internship to apply technical knowledge in real-world software projects.

## EDUCATION

### Kütahya Dumlupınar University

Oct 2023 – Present

- Bachelor's degree, Computer Engineering
- GPA: 3.36 / 4.00
- Relevant Coursework: Data Structures, Algorithms, Object-Oriented Programming, Database Systems

## PROJECTS

### TÜBİTAK 2209 – Food Waste Reduction Mobile Application

October 2024

Backend & AI Contributor

- Contributed to the development of a mobile application aimed at reducing food waste.
- Designed and integrated backend services using Firebase.
- Implemented real-time database structure and user authentication.
- Worked on data analysis to support AI-driven recommendations.
- Collaborated in system design and feature planning.

### Fruit Ninja-Style Game (Unity, C#)

April 2024

- Implemented object spawning, collision detection, and scoring mechanics.
- Designed user interface and game logic structure.
- Developed a 3D action game using Unity and C#.

### NeuroDiet – Lifestyle Tracking System

November 2025

- Developed a Python-based lifestyle tracking system to monitor user habits such as water intake, nutrition, exercise, sleep, and mood
- Designed and managed a structured data storage system using MSSQL
- Implemented an API-based architecture to enable efficient data communication
- Collaborated within a team using Git and GitHub for version control
- Planned future enhancements incorporating AI-driven analysis and personalized feedback

## Face Recognition-Based Smart Attendance System

October 2025

- Developed a Python-based lifestyle tracking system to monitor user habits such as water intake, nutrition, exercise, sleep, and mood
- Designed and managed a structured data storage system using MSSQL
- Implemented an API-based architecture to enable efficient data communication
- Collaborated within a team using Git and GitHub for version control
- Planned future enhancements incorporating AI-driven analysis and personalized feedback

## House Price Prediction (Machine Learning)

September 2025

- Developed a machine learning model to predict house prices using Python, Pandas, and Scikit-learn
- Performed exploratory data analysis (EDA) and data preprocessing
- Applied feature engineering techniques to improve model performance
- Implemented train-test split and cross-validation for robust evaluation
- Trained and evaluated regression models using appropriate performance metrics
- Visualized data insights and model performance using Matplotlib

## Personal Portfolio Website

February 2026

- Designed and developed a personal portfolio website using HTML and CSS
- Implemented responsive design for cross-device compatibility
- Created a clean and user-friendly interface to showcase projects and skills
- Currently enhancing the project by integrating JavaScript-based interactive features

## EXPERIENCE

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### Dokuz Eylül University – Information Technologies Department

August 2025

Software Developer Intern

- Contributed to corporate web development projects, supporting front-end implementation processes.
- Developed and improved user interfaces using HTML, CSS, and JavaScript.
- Assisted in backend development using Python, working on basic RESTful API structures and data processing tasks.
- Performed CRUD operations on PostgreSQL databases, including data insertion, updates, and query optimization.
- Gained hands-on experience with client-server architecture and RESTful system design principles.
- Used Git for version control and observed collaborative team workflows.
- Participated in system setup, basic network configurations, and technical support processes.

## ADDITIONAL INFORMATION

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### Technical Skills

- **Programming Languages:** Python, Java, C, C++, C#
- **Backend & Web:** RESTful APIs, PostgreSQL, HTML, CSS, JavaScript (Basic), Streamlit
- **Data & AI:** NumPy, Pandas, Scikit-learn, TensorFlow, Data Analysis, Machine Learning
- **Cybersecurity:** Kali Linux, Wireshark, Network Analysis, CTF Participation
- **Tools & Platforms:** Git, Github, Linux, Jupyter Notebook, Unity

## Technical Skills

- **Programming Languages:** Python, Java, C, C++, C#
- **Backend & Web:** RESTful APIs, PostgreSQL, HTML, CSS, JavaScript (Basic)
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- **Tools & Platforms:** Git, Linux, Jupyter Notebook, Unity

## Languages

- English – B2 (Upper-Intermediate)
- German – A2 (Elementary)

## Certifications

- Turkcell Geleği Yazanlar – Java 101, 201, 301
- BTK Akademi – Object-Oriented Programming
- BTK Akademi – Python Programming
- Turkcell Geleği Yazanlar – C# Visual & Object-Oriented Programming (101–201)
- BTK Akademi – Fundamental Cybersecurity Training

## Activities

- Completed Certified Fundamental Cybersecurity Training (BTK Akademi)