

AHMET AKDEMIR

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• [LinkedIn](#) | [Github](#) | [Kaggle](#)

PROFESSIONAL SUMMARY

Computer Engineering student with expertise in AI, mobile development, and data science. Proven track record in building scalable applications and machine learning solutions using Python, Flutter, and TensorFlow.

Passionate about leveraging technology to solve real-world problems.

TECHNICAL EXPERTISE

Languages: Python, Dart, C#, SQL, Java

Project Management: Agile/Scrum methodologies, EasyRedmine

Frameworks & Tools: Flutter, Django, Firebase, .NET, Git, Java, PostgreSQL

SaaS Platforms: Experience with cloud-based platforms (e.g., Firebase)

AI/ML: TensorFlow, Scikit-learn, HuggingFace, Neural Networks

Data Science: Pandas, Matplotlib, Jupyter, Data Visualization

Full Stack: HTML5, CSS3, JavaScript, RESTful APIs

EDUCATION

Izmir Bakircay University | Izmir, Turkey

B.Eng. Computer Engineering (Expected: June 2026)

Relevant Coursework: Advanced Data Structures, Machine Learning Architecture, Computer Networks, Algorithm Design, Artificial Intelligence Systems, Product Development/Management

PROJECTS

ChatGPTurk - AI-Powered Conversational Platform | [GitHub](#)

Architected and deployed a sophisticated chatbot platform integrating multiple state-of-the-art AI models. Engineered robust backend infrastructure using Python and Django framework. Implemented advanced NLP capabilities through HuggingFace transformer models. Developed responsive and intuitive user interface enhancing user engagement metrics. Technologies Utilized: Python, JavaScript, Hugging Face, RESTful APIs, React

Plant Disease Detection Application - Software Developer (Team Member, Ongoing)

Developed a Java-based mobile app for plant disease detection, integrating Firebase for authentication and data management, and Roboflow models for image processing. Implemented watering reminders and chat features using MVVM architecture, delivering an Android solution (iOS in progress). Tech: Java, Firebase, Roboflow, TensorFlow Lite

Spiroble App – HealthCare Technologies | [LinkedIn](#)

Developed a spirometer mobile app for real-time lung health monitoring, calculating key pulmonary parameters (FVC, FEV, PEF, FEF25-75). Integrated advanced Bluetooth for seamless device communication and scalability. Built with Flutter for cross-platform usability, Firebase for secure data storage, and IoT-based data processing. Added a smart online appointment system for users to consult healthcare professionals. Enhanced respiratory diagnostics with user-centric design and cutting-edge technology.

Technologies: Flutter, Dart, Firebase, Bluetooth, IoT.

Skin Disease Mobile Application – Turkey Champion, Huawei Innovation Competition

Developed an AI-powered mobile application for skin disease analysis, enabling users to upload images of skin lesions and receive instant assessments, treatment recommendations, and educational content. Leveraging advanced machine learning models, the app provided accurate and reliable skin health monitoring. Built with Spring Boot Java for a backend so seamless cross-platform experience and Python for backend development, this innovative healthcare solution was recognized as the Turkey Champion in the Huawei Innovation Competition.

CERTIFICATIONS & TRAININGS

Languages

- English B2- (Upper Intermediate)
- Turkish: Native

Certifications

- HCIA-AI V3.5 Course
- CCNAv7: Introduction to Networks