



# İPEK BULGURCU

*Electrical-Electronics Engineer*

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Eskişehir, TURKEY

## TECHNICAL SKILLS

### Programming Languages

C:Intermediate

C++: Advanced

Python: Intermediate

MATLAB:Intermediate

Object-Oriented Programming  
(OOP)

### Embedded Systems & Hardware

Embedded System Design

Qt Interface Design

### Image Processing & Data Analysis

Image Processing

OpenCV

Matplotlib

### Engineering & Design Tools

AutoCAD 2D

Canva

Prompt Engineering

### Office & Project Management

Microsoft Office Suite

(Word, Excel, PowerPoint)

Project Planning & Coordination

Effective Team Collaboration

## LANGUAGES

Turkish:Native

English:Professional

## EXAMS

ALES :79.96

## PROFESSIONAL SUMMARY

Motivated and detail-oriented Electrical and Electronics Engineering graduate, ranked 2nd in my department at Eskişehir Osmangazi University, with international academic experience at Politécnico de Leiria (Portugal). My technical background includes hands-on experience in embedded systems, image processing, and AI applications , complemented by a growing understanding of visual communication design, which promotes user-centric thinking in problem-solving. As an AI Intern Team Leader, I coordinated junior team members and collaborated cross-functionally on a TÜBİTAK-awarded digitalization project , gaining practical experience in technical documentation and project coordination. I am eager to contribute my technical expertise and project support capabilities to the dynamic challenges within the retail and fashion technology sector, driving innovation and operational efficiency.

## EDUCATION

### Eskişehir Osmangazi University

2019-2025, *Graduated as the 2nd-ranked student*

Electrical Electronics Engineering (100% English)

### Politécnico de Leiria, Portugal

2023-2024 Spring

Electrical and Computer Engineering (Erasmus+ Exchange Program)

### Anadolu University

2022-2026, 3rd year

Visual Communication Design (Open Education Faculty)

## WORK EXPERIENCE

### AI Engineer Intern

Bluesense - 2025 January

The Smart Beauty project has been awarded the Seal of Excellence under the TÜBİTAK 1812 BiGG Investment-Based Entrepreneurship Support Program.

Contributed to the development of artificial intelligence and deep learning models for digital health solutions (skin disease diagnosis), demonstrating core machine learning experimentation skills.

Created clear technical documentation and visual reports using MS Office Suite to summarize signal analysis and model outcomes.

Led cross-functional teams during the AI-based "Smart Beauty" project, ensuring timely delivery of milestones and coordinating efforts between AI developers and medical researchers.

Served as an AI Intern Team Leader and Project Coordinator, acting as the communication bridge between interns and the senior project coordinator, ensuring technical alignment and workflow continuity.

### Face Detection Dataset Preparing Intern

Eskişehir Osmangazi University - 2024 February

Collaborated to enhance face recognition systems, developing a RetinaFace-based preprocessing model in Python for facial feature extraction for an AI model.

Conducted detailed data analysis and visualization on a large-scale dataset (LFW, 13,000 images), performing data cleaning and preparation using Matplotlib, NumPy, and OpenCV.

### Student Assistant

Eskişehir Osmangazi University - 2023-2024 Fall (Voluntary Assistant)

Supported the Introduction to Programming course C language.

Provided one-on-one assistance to over 40 students, particularly in English, to help them understand programming concepts.