



İPEK BULGURCU

Electric-Electronics
Engineering Student

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Eskişehir, TURKEY

TECHNICAL SKILLS

- C / C++ -*Advance*
- Object-Oriented Programming
- Image Processing
- OpenCV
- Matplotlib
- Python - *Intermediate*
- Pillow
- Corporate Identity Design
- Visual System Designs
- Autocad -*2D*
- Microsoft Office
- Figma -*Beginner*

LANGUAGE

Turkish -*Native*
English -*Professional*

HOBBIES

Prompt Engineering
Drawing & Sketching
Photography
New Media Art

ABOUT ME

Fourth-year Electrical and Electronics Engineering student at Osmangazi University with a strong programming background, image processing, and object-oriented design. Studied abroad at Politécnico Leiria in Portugal through Erasmus, enhancing technical skills in Electrical and Computer Engineering. Also pursuing a degree in Visual Communication Design at Anadolu University, combining technical and creative skills. Fluent in English with experience in international collaboration, well-prepared for global projects and multidisciplinary problem-solving.

EDUCATION

Eskişehir Osmangazi University

2019-2025, 4th year

Electric Electronics Engineering (100% English)

Politécnico de Leiria

2023-2024 Spring

Electrical and Computer Engineering (Erasmus+)

Anadolu University

2022-2025, 3rd year

Visual Communication Design

WORK EXPERIENCE

AI Engineer Intern

Inventra Vancouver, Canada (Remote) - 2025 February-Present (Voluntary Internship)

- Continuing AI research in skin diagnosis and medical signal analysis as a remote volunteer intern.

AI Engineer Intern

Inventra - 2025 January (Compulsary Internship)

- Developed AI models for acne detection, skin texture classification, and skin cancer diagnosis using deep learning.
- Analyzed PPG signals from Mimic III and BIDMC datasets, applying single WFDW in Python for feature extraction.
- Utilized TensorFlow, PyTorch, and Scikit-learn for model training and evaluation on Kaggle and Google Colab.
- Optimized data preprocessing and feature engineering for improved diagnostic accuracy.

Face Detection Dataset Preparing Intern

Eskisehir Osmangazi University - 2024 February (Voluntary Internship)

- Developed a face detection system using Retinaface in Python.
- Cleaned, prepared, and visualized Labelled Faces in the Wild (LFW) Dataset using Python libraries such as Matplotlib.
- Conducted image preprocessing tasks and tested system performance for accuracy improvements.

Student Assistant

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

- Supported the Introduction to Programming course C language.
- Provided one-on-one assistance to students, particularly in English, to help them understand programming concepts.