

Arda İrdep

İstanbul

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https://arda-irdep.github.io/

Military Service: Postponed (July 2027)

Profiles

arda-irdep

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Certifications

Python Programming for Data Science, Miull

Foundational C# With Microsoft, Microsoft,FreeCodeCamp

Introduction to Google Cloud, Google

Intro to Programming, Kaggle

Discovering computer networks: hands on in the Open Networking Lab, Open Learn

An introduction to computers and computer systems, Open Learn

IT: device to device communication, Open Learn

Introducing computing and IT, Open Learn

AWS S3 Basics, Coursera

Azure: Create a Virtual Machine and Deploy a Web Server, Coursera

Create Your First Python Program From UST, Coursera

Introduction to Microsoft Excel, Coursera

Introduction to Data Analysis using Microsoft Excel, Coursera

Backend Web Development Path with Beginner Java, Patika Dev

References

Please contact me for references

Languages

English
B2 - Upper Intermediate

Summary

Recent Management Information Systems graduate from Işık University Passionate about problem-solving, I’ve built systems like an NFC-based smart lock (98% reliability) and a Flask-powered recipe platform, leveraging skills in Java, Python, JavaScript, and other technologies. With a strong foundation in both development and IT infrastructure, I’m eager to launch my career in a dynamic role—whether in backend, full-stack, or IT support—where I can grow while contributing to impactful solutions.

I enjoy working with different people and creating solutions to difficult problems. My technical skills include Java, Python, C, HTML, CSS, JavaScript, SQL, Redis, Linux, Git/GitHub, Networking, and Systems Analysis and Design.

I'm fluent in English at the Upper Intermediate (B2) level.

Projects

2-Factor Authentication NFC-Based Smart Lock System

Developed a secure NFC-based access system using an RC522 reader, fingerprint sensor, and keypad that achieves 98% reliability with under 2-second authentication, eliminating key duplication risks while maintaining user convenience for homes and offices.

<https://github.com/arda-irdep/2-Factor-Authentication-NFC-Based-Smart-Lock-System>

Real Time Object Tracking with OpenCV

This project is a motion detection system developed using the OpenCV library. It detects moving objects in real-time camera footage and calculates their coordinates, speed, and direction of movement. The system utilizes background subtraction and contour analysis techniques to track objects efficiently.

<https://github.com/arda-irdep/Motion-Detection-System---Real-Time-Object-Tracking-with-OpenCV>

Password Generator

This Python password generator utilizes the random module to create strong, unique pseudorandom passwords with customizable lengths, combining uppercase/lowercase letters, numbers, and special characters, while offering convenient clipboard integration for seamless workflow use.

<https://github.com/arda-irdep/Python-Password-Generator>

Recipe Site

I developed a complete recipe platform using Flask and SQLite3 where users can browse and discover various dishes on the homepage or across the site, click on any recipe to view detailed information including ingredients, preparation time, and descriptions, all presented through Jinja templates with a user-friendly CSS design for seamless navigation.

<https://github.com/arda-irdep/Recipe-Site>

Education

Işık Üniversitesi	October 2021 to June 2025
Management Information Systems	Bachelor's degree

Activities and societies: Işık IEEE, IT&MIS, Işık Siber Kulübü

Experience

Pusula Yazılım	June 2024 - August 2024
Software Engineer Intern	

<https://www.pusulanet.net/>

Işık University	February 2022 - June 2023
Student Assistant	

Skills

Java	Python	C
HTML	CSS	JavaScript
SQL	Redis	Linux
Git/GitHub	Networking	Systems Analysis and Design