Yunus Karatas

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Education

Florida Atlantic University — Aug 2022 - May 2027
Computer Science (BS) & minor in Data Science — *Boca Raton, FL*

Skills

Technical Skills: Python, C++, SQL, HTML, JS, CSS, LaTeX, Machine Learning
Platforms and Tools: Github, TensorFlow, Tailwind CSS, OpenCV, Excel, PowerBI
Languages: English and Turkish

Experience

Set Kitchens — May 2023 - Present
Sales Associate — *Pembroke Pines, FL*
- Delivered personalized service to **50+** customers weekly, resulting in a **15% increase** in customer satisfaction
- Assist with administrative tasks including **data entry** and **record keeping in excel**
- Process sales transactions and handle customer inquiries

OpenBots — Jun 2023 - Jul 2023
Shadow — *Edison, NJ*
- Shadowed development team working on **automation** solutions using **C++** and RPA frameworks
- Gained exposure to software development lifecycle and **Agile** methodology
- Observed code review processes and Git version control workflows

Projects

Plantus AI - Python, TensorFlow, Flask, OpenCV — Jun - Aug 2025
- Trained CNN on **10,000+** labeled plant images achieving **89%** test accuracy across 12 disease classes
- Implemented data augmentation pipeline with **OpenCV** for image preprocessing and normalization
- Deployed **Flask REST API** with real-time prediction capabilities and confidence scoring

Personal Portfolio Website - HTML, CSS, JavaScript, Tailwind CSS — Mar - May 2025
- Built mobile-first layout with **Tailwind's** responsive utilities ensuring **cross-browser** compatibility
- Designed **glassmorphism UI** with backdrop filters and smooth scroll navigation
- Responsive portfolio showcasing computer science projects and **technical skills**

Data Analysis Projects - Python, ggplot2, pandas, tidyverse, Jupyter Notebooks — Oct - Dec 2024
- Analyzed NYC flight data identifying **40%** higher cancellation rates during winter months
- Explored correlations between species characteristics in Palmer Penguins dataset
- Visualized automotive efficiency trends across vehicle classes and years

Involvements

SHPE (Society of Hispanic Professional Engineers) — Mar 2024 - Present
Member
- Attended **15+** professional development workshops focused on interview preparation and career advancement
- Participated in networking events connecting with industry professionals and alumni
- Developed teamwork skills through participation in committee work and volunteer opportunities

IEEE (Institute of Electrical and Electronics Engineers) — Mar 2024 - Present
Member
- Participated in technical discussions exploring current trends in engineering and CS
- Building competition robot with **integrated sensors and motor controllers** for autonomous navigation

Certifications

SQL for Data Analysis — Aug 2025
Problem Solving C++ — April 2024