

# Pelinsu Çelebi

www.linkedin.com/in/pelinsucelebi/  
pelinsucelebi@gmail.com | +90 531 844 80 34 | https://yogingeneer.com/

## SUMMARY

In the academy, I did my studies in Operations Research, Data Mining, Machine/Deep Learning. In the industry, in different projects, I am responsible for training AI models, mainly for Image Classification, Semantic Segmentation tasks, I am also implementing the gRPC services and unit tests for the SaaS Products which use the models alongside with other edit tools with different logic. Working with an international team, I also develop desktop apps using PyQt5 to explain the edit tool logic to the Front-end Team who later implement these in TypeScript/JavaScript.

## SKILLS

### PROGRAMMING

Python  
R  
SQL  
C++  
PHP <https://yogingeneer.com/>

### MACHINE LEARNING

Regression  
Classification  
Cluster Analysis  
Semantic Segmentation  
Object Detection  
Spatio-Temporal Data Analysis

## PERSONAL DETAILS

Date Of Birth • 07.08.1993  
Drive License • B  
Health • Excellent  
English • Fluent

## CERTIFICATES

### IBM DATA SCIENCE PROFESSIONAL CERTIFICATE | SPECIALIZATION 2020 | IBM

- Python for Data Science and AI
- Databases and SQL for Data Science
- Machine Learning with Python
- Applied Capstone Project

### DEEP LEARNING SPECIALIZATION | SPECIALIZATION 2020 | deeplearning.ai

- Neural Networks and Deep Learning
- Convolutional Neural Networks
- Sequence Models

## INDUSTRY EXPERIENCE

### TARGET ENERGY SOLUTIONS | SR. MACHINE LEARNING ENGINEER

April 2021 - | Ankara,TR

- Image Classification and Data Preparation
- Semantic Segmentation on highly complex Thin Section Images for feature detection
- gRPC service implementation and testing on Oil Field Image Analysis Web App
- Oil Field Image Analysis App Desktop Version development (Python)
- ML Monitor App development for ML Model performance tracking and Model Updates

### DATA GLACIER | DATA SCIENCE INTERN

Sep 2020 – Dec 2020 | India (Virtual)

- Yoga Pose Rater

### RAKUN SOFTWARE | DATA SCIENCE INTERN

May 2017 – Oct 2017 | Ankara, TR

- App development using R language and deployment using Shiny Library. Spatio-Temporal Data Analyzer App

### TURBO PPP | ERASMUS+ MANAGEMENT INTERN

Jan 2016 – April 2016 | Brussels,BE

### TÜRK TRAKTÖR | PRODUCTION ENGINEERING INTERN

May 2015 – Aug 2015 | Ankara, TR

- Time-Value Analysis, MURA Analysis, World Class Manufacturing Standards

## EDUCATION

### POLITECNICO DI MILANO | MSc. COMPUTER SCIENCE

September 2024 - Current | Milano, IT

### NOTE

- I had started this MSc Program in 2017 but then had to take a break due to personal reasons. Currently I am re-admitted and have only 2 exam and thesis to graduate.

### TOBB UNIVERSITY OF ECONOMICS AND TECHNOLOGY |

BSc. INDUSTRIAL ENGINEERING

3.41/4.00

October 2017 | ANKARA,TR

- THESIS: Short Term Wind Energy Production Forecasting and Lithium Ion Battery Capacity Optimization for Demand and Production Levelling

# PROJECTS

## CLASTIC AND CARBONATE THIN SECTION ANALYSIS APPLICATION

- Image Classification Model Training with Python
- Semantic Segmentation Model Training with Python
- Data Labelling Tool Implementation with Qt5
- gRPC Back-end Service Implementation with Python
- Unit Test Implementation with Python
- Data Base Design and Implementation with Postgres

## CORE PHOTO ANALYSIS APPLICATION

- Image Classification and Regression Model Training with Python
- gRPC Back-end Service Implementation with Python
- Unit Test Implementation with Python
- Data Base Design and Implementation with Postgres
- Desktop Application Implementation with Python

## MACHINE LEARNING MONITOR APPLICATION

- Mini AutoML Application Implementation with Python and PyQt5 for in company use
- Image and Ground Truth Mask Data Retrieval from in use Saas Product via kubectl
- Implement Model Specific Data Augmentation and Sanity Check Interface
- Create Postgres Database to Track Feature Specific Model Train History

# CERTIFICATES

TOEFL IBT • 113/120 - Oct 2023

ALES • 88.53

# REFERENCES

References can be provided upon request