

# Kamil AKARSU



## Contact

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## References

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**Çetin Tozkoparan**

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## About Me

I'm a fan of Data Science. I continue my master's degree in this field and I work as a Research Assistant at Manisa Celal Bayar University. I've been continuing to develop Deep Learning and Data Mining applications. Nowadays I work on Natural Language Processing. I am also currently developing applications on the ASP.NET MVC platform.

## Experience

**Research Assistant – 02/2020 - Present**

**Manisa Celal Bayar University, Manisa/Turkey**

**Software Engineer – 03/2019 - 02/2020**

**CTS Software & Information Technologies, Izmir/Turkey**

I worked as a software consultant in various projects at PhilSA.

- Suggestion Box
- LESPlus (Logistics Execution System)
- IFOS (Intelligent Filter Operating System)
- COMAS - CIMS

**Software Engineer – 11/2018 - 03/2019**

**Hybrid Yazılım, Manisa/Turkey**

- Within the scope of KOSGEB project, the project was developed by using Tensorflow, OpenCv and Image Processing techniques. (Detailed information will be provided upon request.)

**Software Engineer Intern – 03/2018 - 08/2018**

**Vestel Elektronik San. ve Tic. A.Ş, Manisa/Turkey**

- In the Artificial Intelligence group, I took part in big data processing, Time Series Analysis, waste track estimation, incoming call analysis to customer service, smart warehouse projects.

## Education

**Manisa Celal Bayar University – Manisa/Turkey**

**MSc in Software Engineering**

GPA: 3.75/ 4.00 (2019- Present)

**Manisa Celal Bayar University – Manisa/Turkey**

**Bachelor in Software Engineering**

GPA: 2.88/ 4.00 (2015-2018)

## Skills

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- **Programming Languages**
  - Python , Matlab, Java, C#, ASP.NET MVC, VB.Net, VBA
- **Database Knowledge**
  - MsSql, MySql, Sqlite
- **Frameworks & Technologies & Using IDE's**
  - NumPy, Scikit-Learn, Keras, Matplotlib, Pandas, TensorFlow, PyTesseract
  - Deep Learning, Machine Learning, Computer Vision,
  - Eclipse, Sypder, Jupyter Notebook, IntelliJ IDEA, Visual Studio,
  - MVC,
  - ORM(Entity Framework, Dapper),
  - Object Recognition, Data Processing & Analysis

## Projects and Academic Publications

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- **SOFTWARE FAULT PREDICTION IN OBJECT ORIENTED SOFTWARE SYSTEMS USING ENSEMBLE CLASSIFIERS**
  - The comparison of various classification algorithms and the self-developed Voting algorithm was performed on 10 different Software Error Estimation data sets created by NASA (National Aviation and Space Administration). Voting algorithm achieved 92% success than ordinary classification algorithms. The project was developed in Eclipse IDE in the Java language within the framework of the WEKA Framework. For detailed information; <http://dergipark.gov.tr/cbayarfbe/issue/39486/424521>
- **OBJECT TRACKING IN WHOLESALE MARKET HALL WITH TENSORFLOW**
  - In this study, a vehicle recognition system has been developed by using Open CV which is one of the image recognition and image processing technologies used in different fields and TensorFlow developed for artificial intelligence technologies and Raspberry Pi hardware of objects used in internet. With this developed system, it is aimed to help the tracking of the vehicles in the wholesaler inspection centers and the identification of the vehicles coming to the slaughter points. ICCTAFA 2019 International Computer Technologies Conference and Applications in Food and Agriculture Conference organized by the Ministry of Agriculture and Livestock. For detailed information; ([Click for Read](#)) (Page 90-94)
- **VEHICLE PLATE TRACKING SYSTEM**
  - Within the scope of Scientific Research Project No. 2018-154, the License Plate Tracking system, which has both hardware and software developed, can also identify information about the vehicle, track license plate tracking and vehicle location detection. ([Check Project](#))

- **LES Plus (Logistics Execution System Integration)**
  - The integration of the LES application used in the supply and production of cigarettes within PhilSA with other applications used by PhilSA and the extension of the LES application are aimed. In this context, the application is currently actively used.
- **SUGGESTION BOX SYSTEM**
  - Developed for PhilSA employees to communicate their wishes and complaints electronically. It was coded with ASP.NET MVC and Microsoft SQL Server database was used.
- **R&D PROJECTS (\* inProgress)**
  - Churn Analysis (Artificial Intelligence Analysis to prevent loss of existing customers)
  - Image processing with OpenCV and Tensoflow on Raspberry PI, Object Recognition
  - Tomato Paste Factory Procurement Automation (IoT, RaspberryPi 3 B +, Tensforflow Object Detection API, MySQL)
  - Simple Game Bots with Deep Learning (CNN and RNN)
  - Spare part requirement estimation (ARIMA, LSTM)
  - FastText, Word2Vec & Doc2Vec, BERT