

OZLEM GULSUM KILICKAYA

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**Education:**

Elementary: Arı College (1994-2002)

High School: Arı Scientific School (2002-2005)

University: Hacettepe University/Mining Engineering (100% English) (2006-2012)

Master's with thesis (scholarship): Atilim University /Mechatronics Engineering (100% English) (2013-2016)

Doctoral (PhD): Baskent University-Defense Technologies and Systems (2019-)

Professional Certificates:

1. Harvard University: Data Science (2019)
2. University of Maryland: Drones and Autonomous Systems (2019)
3. IBM: Introduction to Data Science (2020)
4. IBM: Data Science Methodology (2020)
5. IBM: Python for Data Science (2020)
6. IBM: Data Analysis with Python (2020)
7. IBM: Data Visualization with Python (2020)
8. IBM: Machine Learning with Python (2020)
9. IBM: Deep Learning Fundamentals (2020)
10. IBM: Deep Learning with Tensorflow (2020)
11. IBM: Big Data 101 (2020)
12. IBM: Spark Fundamentals I (2020)
13. IBM: Hadoop 101 (2020)
14. IBM: Data Visualization with R (2020)
15. IBM: Machine Learning with R (2020)
16. IBM: Analyzing Big Data in R using Apache Spark (2020)

Experience (General):

1. Technical Translator (2009-)
2. ASELSAN-ITU Cubesat Project (Atilim University-scholarship): 2014-2016
3. Projects (abroad): 2017-2019
 - ROS/ Gazebo projects
 - Literature and patent research

- Matlab/Simulink projects
- Mechatronics and Robotics
- Control theory and engineering
- 4. Eureka: Technical Expert (2019-)
- 5. Enago- Editor & Academic Editor- (2020-)

Skills in Data Science, Machine Learning, Deep Learning and Big Data:

1. **Python:** Numpy, Pandas, Matplotlib, Scikit Learn, Keras, Pytorch, etc.
2. **Matlab/Simulink**
3. **R**
4. **Java**
5. **Hadoop**
6. **Spark:** SparkSQL, Spark Streaming, MLib and GraphX.
7. **Probability and Statistics:** Regression, statistical tests, distributions, etc.
8. **Machine learning:** feature selection, feature extraction, supervised learning, unsupervised learning, reinforcement learning, etc.
9. **Deep Learning:** Artificial Neural Networks, Deep Neural Networks, etc.
10. **Deep Learning Frameworks:** Tensorflow, Keras, Pytorch, etc.
11. **Classification and prediction.**
12. **Algorithms:** k-NN, clustering, decision tree, SVM, k-Means, Naive Bayes, optimization algorithms (Genetic Algorithm, PSO, etc.).
13. **Time series analysis**
14. **Signal processing**
15. **Pattern recognition and Computer Vision.**
16. **Data processing, data cleansing and data verification for analysis**
17. **Data Visualization:** GGplot, etc.
18. **Inference and Modelling:** Bayesian, etc.

Master's thesis:

Title: Attitude Control of Cubesat in Single Axis by Fuzzy Logic Controller

Conference Proceedings:

1. 4th International Conference of Control, Dynamic Systems and Robotics (CDSR'17) Toronto, Canada
Title: Attitude Control of Cubesat in Single Axis by Fuzzy Logic Controller
2. ICAT 9th International Conference on Advanced Technologies, August 10-12, 2020 Istanbul, Turkey.
Title: Fault Detection of Bearings with Time Series Analysis: A Pilot Study