

RESUME

Merve CENGİZ

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As a passionate Data Scientist, I am proficient in the exploration, analysis, and modelling of data, demonstrating a keen eye for detail in defining metrics for data interpretation. With a passion for data, I am a decisive person who delves deep into datasets, extracts meaningful insights, and learns from every aspect of the data. My experience has taught me the value of engaging with data from inception to deployment, ensuring that the outcomes align of real-world data. As I continue to advance my career, my objective is to evolve into a comprehensive Data Scientist.

I invite you to explore my [LinkedIn](#) profile, [GitHub](#) account, [Medium](#) page and [Tableau](#) page for a glimpse into my work, which includes code samples, publications, and visualizations. Additionally, you can view my portfolio [here](#) for a comprehensive overview of my projects and achievements.

EXPERIENCE

- Ministry of Health** **Manisa, TR**
Department of Personnel/Planning Unit *Nov '20 – Mar '24*
Statistician

Implemented and optimized SQL queries to retrieve the data and developed a data reporting tool using Pandas and NumPy in Python. With this tool, prepare daily/weekly and monthly statistical reports on the number of health personnel (designated, assigned, retired, expert etc.).

Planned the count of health personnel and the procedures to be assigned to combat the Covid-19 pandemic throughout the province for 2 years.
- Jiminny** **London, UK**
Data Scientist (*Remotely - Project based*) *Apr - June '20*
Project: Worked to investigate the relationship between winning deals and self-coaching of sales people in a large sales data. Transformed raw data with high anomaly by using Pandas and NumPy. For univariate analysis SciPy is used in Python. Consequently, sales people who do self-coaching (reviewing their own sales calls), see a 5.5% increase on their win rate.
- Adnan Menderes University** **Aydın, TR**
Biostatistics Research Assistant *Feb '13 - Aug '16*
Experienced with applied data science techniques such as data cleaning-manipulation, model validation and machine learning on real-world data and problems in healthcare.

EDUCATION

- **Evolanguage Sprachschule für Deutschkurse & Fremdsprachen** **Mainz, DE**
German Language Course A2 - B1 Niveau Apr '24 - June '24
- **Dokuz Eylul University** **Izmir, TR**
MSc in Data Science (GPA: 3.94/4) Sep '20 - Mar '24
(Thesis: "Food Recommendation Systems")
Demonstration: <https://www.youtube.com/watch?v=biYLY-xAaPU>
Web Application: <https://dietrec-3fdabc09c990.herokuapp.com/>
- **Istanbul Data Science Academy** **Online**
Data Science Bootcamp, Project Based Oct '21 - Apr '22
- **University of Leicester** **Leicester, UK**
Biostatistics and Bioinformatics Analysis Support Hub (B/BASH) Jul '16 - Mar '17
Intern

Project: Worked as a research assistant in a project entitled "Transcriptomic Signatures in Human Renal Biopsies from Living and Cadaveric Donors at 30 Minutes and 3 Months Post-Transplantation" which was executed by Dr. Bin Yang (Professor of Renal Medicine) and Dr. Maria Viskaduraki (B/BASH Biostatistician) working in College of Medicine/ University of Leicester.
- **Adnan Menderes University** **Aydın, TR**
MSc in Biostatistics (GPA: 89/100) Sep '12 - Jan '15
- **University of La Laguna** **San Cristobal de La Laguna, ES**
BS in Statistics; Granted Erasmus+ Exchange Student Sep '10 - Feb '11
- **Afyon Kocatepe University** **Afyonkarahisar, TR**
BS in Statistics (GPA: 79.23/100) Sep '09 - Jun '12

COURSEWORK

- Certified in '**Data Science Bootcamp**', | İstanbul Data Science Academy, '22 (Verify at <https://istdatascience.com/certificate/DSE22MC29.pdf>)
- Certified in '**Python A-Z™: Data Science and Machine Learning**', | Udemy, '20 (Courses of Data Mining; Machine Learning; Data Visualization; Natural Language Processing; Exploratory Data Analysis; Data Pre-processing; Probability & Statistics; SQLite)

TECHNICAL SKILLS

- **Programming Languages:** Python, SQL
- **Proficient Packages:** Pandas, NumPy, SciKit-Learn (Regression Techniques, Dimensionality Reduction, Unsupervised Learning, Classification Techniques: Ensemble Trees, Gradient Boosted Trees), SciPy, StatsModels, NLTK.

LANGUAGE SKILLS

- Turkish: Mother Language
 - English: Fluently
 - German Language: B1 Level
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CONFERENCE

- Speaker, Dokuz Eylul University International Symposium Series on Graduate Researches-Data Science, **Food Recommendation System by Alternating Least Square Method in Pyspark and Diet Food Recommender by Cosine Similarity Method**, '22
 - Speaker, İzmir Katip Celebi University 1st International Congress on Artificial Intelligence and Data Science, Proceeding on <https://ykb.ikcu.edu.tr/Share/AEF39C4136248510980799FA1ACBB582>, **Doğal Dil işleme ve Makine Öğrenmesi Teknikleri ile Covid-19 Aşı Türlerinin Haber İçeriklerinin İncelenmesi (Investigation of News Content of Covid-19 Vaccine Types by Natural Language Processing and Machine Learning Techniques)**, '21.
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PUBLISHES

- Cengiz, M., & Yıldız, T. (2024). Değişimli En Küçük Kareler Ve Kosinüs Benzerlik Teknikleri Kullanılarak Yemek Tavsiye Sistemi Oluşturma (Building Food Recommendation Systems Using Alternating Least Squares And Cosine Similarity Techniques). Computer Science, 9(1), 1-17. DOI: [10.53070/bbd.1389078](https://doi.org/10.53070/bbd.1389078)