

Ege Altıok

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A curious and versatile computer engineer who is passionate about solving challenging problems and exploring the realm of machine learning. Experienced in working with Python data manipulation and visualisation libraries, both in professional and academic projects.

Education

Sep 2025 – Ongoing **Master's degree in Computer Engineering**

Dokuz Eylül University

Izmir, Turkey CGPA: N/A

Sep 2019 – Jun 2023 **Bachelor's degree in Computer Engineering**

Izmir University of Economics

Izmir, Turkey CGPA: 3.71/4.00

Sep 2015 – Jun 2019 **High School Diploma**

İzmir Atatürk High School

Izmir, Turkey CGPA: 90.82/100

Work Experience

Nov 2022 – Jan 2023 **Data Analyst, Litum** - Izmir, Turkey

(3 months)

- Collaborated with other data analysts to optimize the RTLS data used for analysis in the ETL microservice.
- Worked on building pipelines to transfer RTLS data from transactional databases to analytical databases using Python libraries.

Aug 2022 – Sep 2022 **Data Analyst Intern, Litum** - Izmir, Turkey

(2 months)

- Parsed and analysed vast amounts of RTLS data using Python data manipulation libraries and generated performance reports.
- Recognised the challenges of Big Data and worked on possible solutions using parallelism tools.

Jul 2022 **Software Engineer Intern, Litum** - Izmir, Turkey

(1 month)

- Participated in a Flutter mobile application development team for a volunteer project called EpilepsyMom.
- Implemented features including SQLite database querying, background task scheduling, and notification services.

Skills and Competencies

Programming Languages: Python, Java, C#, Dart/Flutter, Javascript

Technical Concepts : Machine Learning, Data Structures, Object-Oriented Programming

Tools and Technologies : Jupyter Notebook, Microsoft Office, Git-based VCS, Blender, LaTeX

Languages : Turkish (Native), English (Advanced), Mandarin & Norwegian (Elementary)

Soft Skills : Constructive Criticism, Analytical Thinking, Work Ethic

Academic Projects

- **Clustering Application with the Wisconsin Breast Cancer Dataset** ([GitHub](#))
Unsupervised Learning, Clustering, Python, Scikit-learn, Pandas, Jupyter Notebook
- **Graph Optimization for All-Colour Shortest Path Problem**
Combinatorial Optimization, Network Analysis, Graph Theory, Python, Group Project
- **Penetration Test and Secure Authentication Application** ([GitHub](#))
Python, Scapy, Nmap, Wireshark, Group Project
- **Developing an Optimized Regression Model Using Supervised Learning** ([GitHub](#))
Machine Learning, Python, Scikit-learn, Pandas, matplotlib, Jupyter Notebook

Certificates

- **Meta Back-End Developer Professional Certificate** – Meta
Coursera.org - Oct 2024 - 4 Courses
 1. Programming in Python
 2. Version Control
 3. Introduction to Databases for Back-End Development
 4. Django Web Framework
- **AWS Fundamentals Specialization** – Amazon Web Services
Coursera.org - Jan 2024 - 3 Courses
 1. AWS Cloud Technical Essentials
 2. Migrating to the AWS Cloud
 3. Architecting Solutions on AWS
- **Natural Language Processing Specialization** – DeepLearning.AI
Coursera.org - Sep 2023 - 2 Courses
 1. Natural Language Processing with Classification and Vector Spaces
 2. Natural Language Processing with Probabilistic Models
- **Machine Learning Specialization** – DeepLearning.AI & Stanford University
Coursera.org - Apr 2023 - 3 Courses
 1. Supervised Machine Learning: Regression and Classification
 2. Advanced Learning Algorithms
 3. Unsupervised Learning, Recommenders, Reinforcement Learning

References

Available upon request.