Cem OZCELIK

+90 553 473 4556 | i.cemozcelik@gmail.com | linkedin.com/in/cemozcelık | github.com/ccemozclk

SUMMARY

Data Scientist with a strong foundation in Industrial Engineering and hands-on experience in end-to-end data solutions. Adept at building predictive models, automating business intelligence pipelines, and driving strategic decisions through advanced analytics. Skilled in Python, SQL, Django,C#, Linux, Power BI, Snowflake, Java, NodeJS and cloud platforms like AWS. Proven track record of delivering measurable business impact in supply chain, production, and sales domains. Passionate about transforming raw data into actionable insights that fuel growth and efficiency.

EXPERIENCE

IT & Data Analytics Specialist
Sept. 2024 – Present

Anadolu Pet Akvaryum & Effeffe
Maltepe, Istanbul

- Conducted supply chain analytics and inventory optimization using Python and PL/SQL to enhance operational efficiency. Focused on product segmentation and facility layout, resulting in an 8-hour weekly reduction in overtime.
- Analyzed the effectiveness of sales support campaigns by performing SKU-level movement and supply chain analysis with SQL and Python. Applied association rule mining to optimize product bundling, achieving a 1% revenue increase in the last quarter and exceeding campaign engagement targets.
- Performed route-level profitability analysis using Python and PL/SQL, leading to 3% improvement in logistics efficiency over a 3-month period by optimizing cost-to profit ratios.
- Developed a web-based internal Business Intelligence application using the Django framework to automate company-wide reporting processes, leading to a 2 man-hour daily time saving in administrative workflows.
- Strengthened web development and software engineering skills by learning Java(OOP, SOLID principles) and Node.js. Built a standalone interactive BI dashboard application to present key data analysis insights to stakeholders in a dynamic and accessible format.

Mid-Level Data Analyst
Jan. 2022 – Sept. 2024

Birinci Automotive
Cayirova, Kocaeli

- Spearheaded the development of a Business Intelligence module for IzRP, the company's custom ERP system, using MSSQL and ETL tools. Built indicator tables to support decision-making, resulting in a 15% reduction in engineering labor inefficiencies.
- Conducted comprehensive analysis of production data across shifts, machines, and timeframes using MSSQL, Python, and Power BI. Optimized staffing strategies and improved OEE metrics by 15%, enhancing operational efficiency.
- Led an RFM segmentation study as part of CRM analytics to minimize machine downtime. The analysis, built with MSSQL and Python, contributed to a 15% weekly increase in machine availability and targeted a 20% improvement in downtime metrics.
- Championed the adoption of Power BI across the organization, playing a key role in the company's digital transformation initiative. Cultivated a culture of data-driven decision-making across departments.

Human Resources Analyst
June 2021 – Jan. 2022

Birinci Automotive
Cayirova, Kocaeli

- Delivered data-driven recommendations that optimized HR policies and processes, resulting in a 20% improvement in overall productivity, efficiency, and HR performance.
- Collaborated with a cross-functional team of 10 engineers to develop production performance optimization procedures, leading to a 10% increase in performance and freeing up 25+ engineering hours.
- Analyzed production data and aligned OEE metrics to identify and reduce shift-based performance losses, enhancing operational efficiency.
- Designed and implemented custom HR data collection and analysis tools, streamlining data workflows and enabling accurate, actionable insights for HR decision-making.
- Conducted in-depth analysis of employee demographics, leave patterns, and turnover rates to uncover workforce trends and support strategic HR planning.

EDUCATION & CERTIFICATES

Kirikkale University   Kirikkale, TR
Bachelor of Industrial Engineering   *Sept 2016 – Feb 2021*
- Specialized in applying statistical analysis and advanced decision-making models to solve real-world business challenges. Gained practical experience in using quantitative methods (AHP, TOPSIS, ANP, ELECTRE) for process optimization, including strategic site selection and personnel evaluation.

Datacamp   Cayirova, Kocaeli
Associated Data Scientist Career Track   *Jan. 2024 – May. 2024*
- During my participation in Datacamp, I have gained experience in various data science approaches to different problems through 15+ sample projects in machine learning, MSSQL, and statistical analysis, primarily using Python.

Miuul   Cayirova, Kocaeli
Data Science & Machine Learning Bootcamp   *Mar. 202 – Sep. 2022*
- During my participation in Data Science School, I gained practical experience in various data science tools and techniques in +10 real life projects

TECHNICAL SKILLS

Programming Languages: Python,Java, C#,SQL JavaScript, Bash

Data Science & Machine Learning: Scikit-learn, TensorFlow, Keras, PyTorch, Pandas, NumPy, SciPy,Polars, Statsmodels, Matplotlib, Seaborn, Plotly, Selenium, BeautifulSoup, Statistical Analysis

Databases: PostgreSQL, MSSQL, MySQL, Oracle

Web Development & API: Flask, FastAPI, Django, Node.js, React, JavaScript, HTML/CSS

DevOps & Cloud Technologies: Git, Docker, AWS (S3, EC2, SageMaker), Google Cloud Platform (GCS, BigQuery)

Operation Systems: Linux, Windows, MacOS

Soft Skills: Analytical Thinking, Adaptability, Life-Long Learning,Perseverance, Presentation & Communication, Incredible Quick Learning

LANGUAGES

Turkish: Native/Bilingual

English: Fluent

Spanish: Basic

INTERESTS

Medium Content Writer: My work on data science and machine learning, which I have done since June 2021, when I started my career, is featured on my Medium page.

Scouting: Before I started my career in data analytics, during my high school years, I was preparing scouting reports about students who participated in Kutahya Dumlupinar University School of Physical Education and Sports auditions and football talent exams and presenting them to local football clubs.

Video Games: Interested in video games since my high school years. I am especially interested in strategy games like the total war series, management games like the Football manager series, open world games.