Burak Şahin Küçük

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EDUCATION

Middle East Technical University   Sep. 2022 – exp. Jun. 2027

*Double Major, B.S. in Statistics **(cGPA: 3.87/4)** and Computer Engineering **(cGPA: 3.01/4)**, Junior.*   *Ankara, Turkiye*

- **Concentration** in Operational Research
- **Selected Coursework:** OOP with Java, C Programming, Data Structures with C++, Probability I - II, Data Proc. & Viz., Advanced Statistics, Statistical Programming, Linear Algebra, Python Programming, Computer Networking

EXPERIENCE

The Scientific and Technological Research Council of Türkiye (TUBITAK)   Feb. 2026 – Ongoing

Candidate Researcher (Part Time)   *Ankara, Turkiye*

- Worked with core networking concepts including LAN/WAN, IP addressing, and network protocols.
- Built foundational skills in Unix/Linux systems and network infrastructure monitoring.

Ministry of Transport and Infrastructure of Türkiye (UAB T.C.)   Jul. 2025 – Aug. 2025

Data Analyst & Controller (Summer Internship)   *Ankara, Turkiye*

- Performed statistical analysis and developed dashboards using Python, R. Improved reporting efficiency.

PROJECTS

metuans.com | Webapp to Enhance METU Students' Experience at University (BETA) [Website]   Sep. 2025

- Built a university scheduling and organization web app that **reached 4,000+ students in just 15 days** after launch.
- Built automated scripts to **retrieve, clean, and standardize course data within minutes**, enabling accurate weekly schedule generation and **instant elective course discovery**, with higher accuracy than the official system.
- Deployed a backend using PostgreSQL, FastAPI, Docker, AWS EC2, and Cloudflare DNS, delivering the fastest performance and best UI among peer applications.

Analytics & Visualization Projects from Undergraduate Studies [Reports] | [Dashboard] | [Portfolio]   ∼ 2025

- Designed and published data visualizations on **METU elections, university preferences, and student mobility**, reaching **2M+ views and 60K+ engagements** across social media.
- Analyzed raw datasets and transformed them into **actionable insights** using **Python, R, Excel, Tableau, Figma, and Photoshop**, uncovering key educational and behavioral trends.

SKILLS / INTERESTS

Programming: Python, R, SQL, C/C++ *(also completed coursework in MATLAB and Java)*
Libraries/Frameworks: NumPy, pandas, matplotlib, Seaborn, scikit-learn, PyTorch, SciPy
Tools: Figma, Excel, Tableau, LaTeX, Power BI, Termius, Git/GitHub, OMNeT++
Soft Skills: Communication, Team Management, Predictive Analytics, Presentations, R&D, Digital Design (UI & UX).

LICENSES & CERTIFICATIONS

Machine Learning (DeepLearning.AI) [Certificate]   September 2024
IBM Data Science Professional Certificate [Certificate]   February 2024

HONORS & AWARDS

Dean's List - High Honor (All Semesters For Statistics Degree)   2023 – ongoing

LEADERSHIP / EXTRACURRICULAR

Visual Media & Management   Spring 2020 – Present

Freelance   *Belediye Science High School - METU*

- Founded the Philosophy Club, published two student magazines, and designed printed visual materials for BelFen High School. [Portfolio]
- Produced promotional video and visual content for the METU Statistics Department, reaching thousands of prospective students and supporting their university preparation journey. [STAT Videos]