BURAK ŞAHIN KÜÇÜK

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EDUCATION

Middle East Technical University — Sep. 2022 – exp. June 2027

Double Major, B.S. in Statistics (cGPA: 3.95/4) and Computer Engineering (cGPA: 3.22/4), Junior. — *Ankara, Turkiye*

- **Selected Coursework:** OOP with Java, C Programming, Data Structures with C++, Probability I - II, Data Processing & Visualization, Advanced Statistics, Statistical Programming, Linear Algebra, Python Programming.

EXPERIENCE

Ministry of Transport and Infrastructure of Turkiye (UAB T.C.) — July 2025 – Aug. 2025

Internship — *Ankara, Turkiye*

- Performed statistical analysis and developed visualization dashboards using Python, R, and Adobe tools, improving reporting efficiency.

PROJECTS

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

- Co-created a university scheduling web-app with a team of 3, **reaching 4,000+ students in just 10 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.
- Developed an intuitive Vue.js interface enhanced with JavaScript libraries, enabling students to export personalized timetables as motivational wallpapers and improving user engagement.
- Deployed a scalable 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] | [Visualizations] — ~ **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, MATLAB, JavaScript *(also completed coursework in C/C++ and Java)*
Libraries/Frameworks: NumPy, pandas, matplotlib, Seaborn, scikit-learn, PyTorch, SciPy
Tools: Figma, Excel, Tableau, LaTeX, Power BI, Termius, Git/GitHub, Adobe Photoshop/Premiere
Soft Skills: Communication, Team Management, Predictive Analytics, Presentations, R&D, Digital Design

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. [Full 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]