

Burak Şahin Küçük

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EDUCATION

Middle East Technical University <i>Double Major, B.S. in Statistics (cGPA: 3.87/4) and Computer Engineering (cGPA: 3.01/4), Junior.</i>	Sep. 2022 – exp. Jun. 2027 <i>Ankara, Türkiye</i>
<ul style="list-style-type: none">• 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) <i>Candidate Researcher (Part Time)</i>	Feb. 2026 – Ongoing <i>Ankara, Türkiye</i>
<ul style="list-style-type: none">• 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.) <i>Data Analyst & Controller (Summer Internship)</i>	Jul. 2025 – Aug. 2025 <i>Ankara, Türkiye</i>
<ul style="list-style-type: none">• 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
<ul style="list-style-type: none">• Co-created a university scheduling web-app with a team of 3, reaching 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.• 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 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
<ul style="list-style-type: none">• 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
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LEADERSHIP / EXTRACURRICULAR

Visual Media & Management	Spring 2020 – Present
<i>Freelance</i> <ul style="list-style-type: none">• 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	