

Bedirhan Ceylan

Sabancı University, Tuzla, İstanbul | bedirhan.ceylan@sabanciuniv.edu

[linkedin.com/in/bedirhanceylan](https://www.linkedin.com/in/bedirhanceylan) | <https://github.com/bedirhanceylan>

Education

Sabancı University, Faculty of Engineering and Natural Sciences	Tuzla, İstanbul
<i>BS - Computer Science and Engineering</i>	2022 - Present
Özel Matematik Fen Bilim Anadolu Lisesi	İlkadım, Samsun
<i>High School Diploma</i>	2017 - 2021

Work Experiences

Sollen Akıllı Sistemler ve Bilişim Teknolojileri Beyoğlu, İstanbul	August 2025 - May 2026
<i>Founding Chief of Staff (CoS) & Full-Stack Developer</i>	

- Took on a dual role as Founding Chief of Staff and Full-Stack Developer, driving both strategic execution and end-to-end product development
- Coordinated cross-functional priorities across operations, product, and execution while actively building core features of an AI-powered emergency and occupational safety platform
- Developed full-stack components and offline communication workflows with LoRaWAN, while helping define roadmap priorities, internal processes, and overall startup execution

Allianz Sigorta A.Ş. Ataşehir, İstanbul	June 2025 - August 2025
<i>Intern Software Developer</i>	

- Wrote and maintained tests for existing codebases to improve software reliability and catch regressions
- Contributed to safer and more maintainable development by supporting the testing and quality assurance process

Selected Projects

Task Completion Pattern Analysis in an Early-Stage Startup	January 2026 - May 2026
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- Analyzed 486 Azure DevOps tasks from Sollen Technologies (Oct 2024–2026) to predict task delay using a binary classification pipeline
- Engineered leakage-free temporal features including developer historical delay rate and workload at task creation time
- Compared 5 ML models (Logistic Regression, Decision Tree, kNN, Random Forest, Gradient Boosting) via stratified 5-fold CV; Random Forest selected as final model (Test ROC-AUC: 0.741)
- Identified developer past performance as the strongest delay predictor, outperforming task category and scheduling features

Technologies: Python, scikit-learn, pandas, Jupyter

ISGenius AI-Powered Offline Emergency & OHS Platform	August 2025 - May 2026
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- Implemented LoRa-enabled offline communication capabilities to maintain critical message delivery when internet infrastructure is unavailable
- Developed OpenStreetMap- and floor-plan-based evacuation logic to support safe-area routing, location-aware guidance, and emergency preparedness operations

Technologies: Python, Flask, FastAPI, SQL, OpenStreetMap, LoRaWAN, AI-Assisted Systems

FPGA Mastermind Game | Verilog

September 2025 - January 2026

- Implemented the Mastermind game on an FPGA board using Verilog
- Designed digital logic modules, finite state machines, and hardware control logic for user interaction and display outputs

Technologies: Verilog, FPGA, Digital Logic Design, Finite State Machines (FSM), Hardware Design

Skills

Programming & Tools: Python, Java, C++, Verilog, SQL, Git, Flask, FastAPI, OpenStreetMap, LoRaWAN

Languages: Turkish (Native), English (Advanced)

Extracurricular Activities

Sabancı University Student Council & Disciplinary Council

November 2025 - May 2026

Member of the Council

- Elected as a Student Council Member by securing a top-3 ranking among 14 candidates in a competitive university-wide election to represent the interest and voice of approximately 5,288 students

IEEE Student Branch, Sabancı University

June 2023 - June 2025

Coordinator in the Computer Science and Engineering Team

- Actively engaged in marketing, sponsorship management, project coordination, coding competitions and workshops

Sabancı University Search and Rescue Club (SUAK)

February 2023 - February 2025

Founding President & Advisory Board Member

- Founded the club to raise awareness on disaster preparedness and response

Civic Involvement Projects

January 2024 - June 2024

Volunteer

- Volunteered in social responsibility projects focusing on search and rescue, disaster awareness

Honor & Awards

TÜBİTAK BİGG 2025 | 1st Stage Grant Winner

June 2025

Entrepreneur / Founding Chief of Staff (CoS) & Full-Stack Developer - Sollen Technologies

- Selected among the top 101 innovative startup teams nationwide and awarded the “Mükemmeliyet Mührü” (Seal of Excellence) by TÜBİTAK for developing an AI-powered offline emergency communication

18th & 19th Extracurricular Student Activities Awards Issued by Sabancı University

May 2023, 2024

Founding Co-President and Advisory Board Member

- Global and Social Issues Awareness Award in the 18th & 19th Extracurricular Student Activities Awards, as the co-president of SUAK