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# ÇAĞRI CAN SARAÇAYDIN



## EMPLOYMENT

Software Engineer, Intern	Bosch	Summer 2024
<ul style="list-style-type: none"><li>Developed a user-friendly application to visualize measurement results of individual spray holes from various nozzles. Utilized Python's object-oriented programming to build the core functionalities.</li><li>Leveraged data visualization libraries like Matplotlib and Seaborn for rendering detailed graphical representations.</li><li>Designed and maintained a centralized database to store and manage all spray hole data collected from various nozzle types.</li><li>Ensured data consistency, integrity, and accessibility through robust database management practices.</li></ul>		

## EDUCATION

Istanbul, Turkey	Sabanci University	Fall 2021 – Spring 2025
<ul style="list-style-type: none"><li>B.S.E. in Computer Science and Engineering. Current GPA: 3.41</li><li>Key Coursework: Mobile Application Development, Software Engineering, Database Systems, Logic &amp; Digital System Design, Data Structures, Introduction to Data Science, Advanced Programming.</li></ul>		
Izmir, Turkey	Bornova Anatolian Highschool	Fall 2016 – Spring 2020

## PROJECTS

- Full Stack SongSpot Mobile Application** (2024): Developed a mobile application for music exploration with features like commenting and rating. Improved database performance by 20%, ensuring faster and more reliable data access and storage. *MongoDB, Java, Android SDK, Retrofit*
- Data Analysis of Commodity Market** (2024): Conducted in-depth analysis of market data from 2019 to 2024, developing machine learning models to predict commodity prices with a 33% accuracy improvement for Decision Tree. *Python, Pandas, Scikit-learn, Matplotlib, Seaborn*
- Search Engine Optimization** (2023): Implemented advanced data structures to optimize search engine performance, improving query performance by 150%. Conducted comprehensive evaluations of sorting algorithms and search techniques. *C++, Binary Search Tree, Hash Table, Sorting Algorithms*

## ACHIEVEMENTS

- Certificate from McKinsey & Company's Forward Program (2024).
- Certificate from Harvard University's CS50: Introduction to Computer Science (2024).
- Certificate from BAT Turkey: Leadership School (2024).
- Dean's High Honor List (2023) for academic excellence.

## TECHNICAL SKILLS

- Turkish (Native), English (Advance)
- C++, Python, Java, SQL, Verilog, HTML/CSS, Flask, Pandas, Sklearn, Android SDK
- Excel, Visual Studio Code, Visual Studio, Clion, Xcode, IntelliJ, Git/GitHub, MongoDB, MySQL
- Object-Oriented Programming, Data Structures and Algorithms, Machine Learning, Backend-Development, Data Analysis, Database Systems.