



# Burak YILDIRAN

## Mechanical Engineer

Burak.YILDIRAN@outlook.com.tr ❖ +90 (505) 130-0469 ❖ Izmir, Turkey

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### WORK EXPERIENCE

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#### CMS Group Light Alloy Wheels

*Production Engineer (Machining)*

- Aluminum alloy wheel manufacturer

Jul. 2024 – Sep. 2024

*Izmir, Turkey*

#### CMS Group Light Alloy Wheels

*Production Engineer (Mold Manufacturing)*

- Mold and aluminum alloy wheel manufacturer

Jan. 2024 – Jul. 2024

*Izmir, Turkey*

#### CMS Group Light Alloy Wheels

*MT Intern*

- Mold and aluminum alloy wheel manufacturer

Jul. 2023 – Jan 2024

*Izmir, Turkey*

#### Karesi Metalurji San. ve Tic. Ltd. Şti.

*Intern*

- Cast Iron with Spheroidal Graphite, Grey Cast Iron, NI-HARD Cast Iron

Apr. 2023 – May. 2023

*Balıkesir, Turkey*

### PROJECTS

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#### Truss System Design Using Ansys APDL

- In truss system design, the aim of this study is to design a truss system that meets the desired conditions.

Jan. 2023

#### Hybrid Composite Gear Revision

- The aim of this study is to revise the hybrid composite gear design made in June 2022.

Jan. 2023

#### Hybrid Composite Gear

- In hybrid composite gear design, the aim is to produce composite gears that approach the characteristic curve of the steel gear or have better characteristics.

Jun. 2022

#### Lift Table with Double Scissors

- In lift table with double scissors design, the aim of this study is to design a double scissor platform that meets the desired conditions.

Dec. 2021

#### Korkuteli Hospital Heating and Ventilation Project

- Designing a heating and ventilation project according to TS825 and TS2164 standards, using AutoCAD, Excel, and Matlab.

Jun. 2021

### EDUCATION

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#### Dokuz Eylül University

*M.Sc., Mechanics*

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*Izmir, Turkey*

#### Dokuz Eylül University

*BS, Mechanical Engineering*

Sep. 2023

*Izmir, Turkey*

## SKILLS & INTERESTS & LANGUAGES

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- **Skills:** Advanced; SolidWorks, MS Office, Matlab, SAP Intermediate; AutoCAD, Ansys, Minitab, Marc Beginner; Python, HTML5, C++
- **Certificates:** Ocean literacy, Amateur Seaman's Certificate, Introduction to ANSYS Mechanical
- **Interests:** Discovering new recipes, Learning programming, Wood processing, Cycling, Sport
- **Languages:** Native; Turkish, Intermediate; English, Beginner; German
- **Portfolio Website:** <https://burakyildiran.github.io>
- **Military Service:** Done