



# Ali Kaan NAR

## MECHANICAL ENGINEER



+90 541 300 28 75



alikaannar@outlook.com



Ali Kaan NAR



Izmir, Turkey

### Education

#### Mechanical Engineering

Sep 2019- Sep 2024

Dokuz Eylul University

#### Master of Science

Theory and Dynamics of Machinery

Feb 2025- Feb 2027

Dokuz Eylul University

### Skills

- **3D Modeling in Solidworks CAD**
  - Body
  - Sheet Metal
- **Doing Simulation in Solidworks**
  - Static
  - Frequency
  - Buckling
- **3D Modeling in Siemens NX CAD**
  - Body
  - Surface
- **3D Modeling in ANSYS SpaceClaim**
- **Doing Structural Simulations in ANSYS Workbench**
  - Static Structural
  - Steady State Thermal
  - Eigenvalue Buckling
  - Modal
  - Harmonic Response
  - Response Spectrum
  - Random Vibration
  - Transient Structural
  - Explicit Dynamics
  - Rigid Body Dynamics
- **3D Modeling in Creo Parametric**
  - Body
  - Sheet Metal

### ABOUT ME

I am a just graduate mechanical engineer with a passion for solving and designing solutions for different problems. Good at working and collaborating with team members. I am ready to utilize my skills and passion to pursue my dream to work as a Mechanical Design and Structural Analysis engineer.

### Experience

#### CMS Light Alloy Wheels San. A.S.

- Mechanical Engineer  
2025-2026

#### Volkan Firefighting Vehicles San. ve Tic. A.S.

- R&D Intern  
2024-2024
- **Bozkurt UAV**  
Mechanical Team Leader  
2024-2024

#### Senkaya Celik Dokum San. ve Tic. A.S.

- Casting Intern  
2023-2023
- Machining Intern  
2023-2023

### References

#### Ali Köse- Maintenance and Energy Manager

CMS Light Alloy Wheels San. A.S.  
Izmir,Turkey

(Available upon request)

#### Reha Özcan- Aerial Rescue Vehicles Product Manager

Volkan Firefighting Vehicles San. Ve Tic. A.S.  
Izmir,Turkey

(Available upon request)

#### Mustafa Kemal Aktürk- Mechanical Design Engineer

ASELSAN  
Ankara,Turkey

(Available upon request)

### Projects

#### MBD Analysis of A Nose Landing Gear

- I participated CAE Projects Competition of "Bias Mühendislik" with my project.
- I worked with Adams View and PTC Creo for MBD Analysis and design of the assembly.  
2024-2024



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- **Doing RBD Simulations in Adams View**
- **Doing Structural Simulations in MSC Apex**  
-Static Structural
- **Creating 2D Drawings in Draftsight**
- **Creating 2D and 3D Technical Illustrations in Creo Illustrate**

## Languages

- **English**  
-Professional Working Proficiency
- **German**  
-Beginner
- **Turkish**  
-Native Language

## Hobbies and Interests

- I actively participated in the Theater Community DEMO as Lead Manager of Touring and Organization Team for two years.
- I performed at DEU Spring Fest with my band as the bass player.
- I actively do fitness for three years.

## Design of an Industrial Manipulator

- I worked on Design and Analysis
  - I worked with Solidworks for modeling parts and simulation of Frequency and Static
- 2023-2024

## Analysis and Development of a Car Jack Mechanism

- I worked on Analysis of project components
  - I worked with Ansys workbench for Fatigue and Structural Analysis
- 2023-2023

## Multidisciplinary Design and Optimization of a Multi-Axle Steering System of a Special Purpose Semi-Trailer

- I worked on Analysis of project components
  - I worked with Ansys Workbench for Structural and Buckling Analysis of components
- 2022-2023

## Certification And Courses

### Solidworks CSWA

- Dassault Systèmes
- June 2025

### Mechanical System Simulation with Adams View

- Bias Mühendislik
- Aug 2024

### Introduction to FEA With MSC Apex

- Bias Mühendislik
- July 2024

### Introduction to ANSYS Mechanical

- Numesys
- Mar 2024

### Introduction to Geometric Dimensioning and Tolerancing

- LinkedIn Learning
- Feb 2024

### Solidworks: Sheet Metal Design

- LinkedIn Learning
- Jan 2024

### Topology Optimization

- Ahmet Okudan-Udemy
- Feb 2025

### Certified DraftSight Associate - 2D Design and Drafting

- Dassault Systèmes
- Sep 2024

### Automotive Summer Camp

- Otomotiv Sanayii Derneği
- July 2024

### ANSYS Mechanical Linear and Nonlinear Dynamics

- Numesys
- Mar 2024

### Introduction to ANSYS SpaceClaim

- Numesys
- Mar 2024

### Learning Siemens NX

- LinkedIn Learning
- Jan 2024

### TEI Aviation Engines School

- TEI
- Jan-June 2024