

JEMAL ABDURAZAK

MECHANICAL ENGINEER

CONTACT

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- Via Folcara , Cassino , Italy

EDUCATION

2023 - present
UNIVERSITY OF CASSINO

- Master of Mechanical Engineering

2016 - 2021 -January
DILLA UNIVERSITY

- Bachelor of Mechanical Engineering

SKILLS

- Manufacturing Process Optimisation
- CAD Software (ADAMS, AutoCAD, SolidWorks)
- Finite Element Analysis (FEA)
- Computational Fluid Dynamics (CFD) Simulation and Analysis
- Lean Manufacturing Techniques
- Mechanical System Design
- Effective Communication & Technical Writing
- Problem-Solving & Analytical Thinking

LANGUAGES

- English (Fluent)
- Italian (Basics)
- German (Basics)

PROFILE

Results-driven Mechanical Engineer with 2+ years of industry and research experience, including hands-on work in robotics and mechatronics. Skilled in CAD, FEA, CFD, ADAMS, 3D printing, and manufacturing systems. Currently pursuing an MSc in Mechanical Engineering with a strong focus on applied research, design, and simulation. Passionate about leveraging engineering principles to solve real-world challenges through innovation, collaboration, and continuous learning.

WORK EXPERIENCE

- LARM Laboratory of Robotics and Mechatronics - DICeM** JAN - JUN 2025
 - Involved in developing a prosthetic robotic hand using mechanical design, sensor integration, and performance testing.
 - Collaborated in optimizing design and functionality for improved real-world application.
 - Supported hands-on research bridging robotics and materials science.
- Wanchi Sugar Factory Manufacturing Engineer** 2021 - 2023
 - Optimised manufacturing processes to enhance efficiency and quality.
 - Conducted preventive maintenance for production equipment to minimise downtime.
 - Implemented automation systems to increase production consistency.
 - Analysed performance data to identify improvement areas.
 - Collaborated with cross-functional teams to maintain operational safety and improve mechanical system performance.
- Aqua pure Bottling Engineering Intern** 2020 - 2021
 - Assisted in mechanical system design and machine analysis.
 - Conducted machine maintenance to improve reliability.
 - Supported process refinement and prototype development.
 - Applied safety protocols and used inspection tools to assess equipment condition.

REFERENCE

Prof - OTTAVIANO ERIKA

LARM Laboratory of Robotics

Email : ottaviano@unicas.it