NIHAL ADARSH RENUK

Bangalore, Karnataka 560056 | tel:+917760626836 | nihaladarshrenuk@gmail.com | LinkedIn
Portfolio: GitHub

CAREER OBJECTIVES

A passionate and motivated Mechanical Engineering student with a solid background in CAD software and core engineering principles. Eager to apply my technical expertise and academic knowledge to meaningful projects, while further developing my skills and advancing as a professional.

EDUCATION

- **Don Bosco Institute of Technology** **-2025 (CGPA:8.11)**
  Bachelor of Engineering in Mechanical Engineering
  Visvesvaraya Technological University (VTU).
- **Sharadha PU College, Dharwad** **-2021 (61%)**
  Pre-University Education
  Karnataka Pre-University Board.
- **Vijayashree Public School** **-2019 (64.6%)**
  Secondary School Leaving Certificate
  Indian Certificate of Secondary Education (ICSE).

SKILLS

- **CAD Software:** AutoCAD, SolidWorks, Solid Edge, Siemens NX, CATIA V5.
- **Engineering Tools:** Basics of GD&T, Engineering Drawing Interpretation.
- **Manufacturing Skills:** Basic Supply Chain Management Concepts, Basic Production Processes, 5S, Kaizen and Kanban Concepts, Sheet Metal Processes Understanding, Assembly Line Understanding.
- **Other Skills:** MS Office Suite (Excel, Word, PowerPoint)

CERTIFICATIONS

AutoCAD, CATIA, SolidWorks, NX CAD Certification
BALC EduTech Private Limited, Nagarbhavi.

- Skilled in 2D and 3D drafting, 3D modeling, part and assembly design and sheetmetal.

INTERNSHIP

Intern - ABB India Ltd., Peenya, Bangalore **Feb-May(2025)**
Low Voltage Motors Division - R&D department
Project: Study of Tolerance Stack-up Analysis of 3-Phase Induction Motor

- Modeling 3-phase induction motor components using Siemens NX CAD.
- Gained practical exposure to manufacturing and shop-floor practices.
- Implementing GD&T to mechanical components as per industry standards.

Developed professional skills like time management, safety awareness, and documentation.

PROJECT

Development, Automation and Implementation of an Agro-Seeding Drone

- Tools: NX CAD, SOLIDWORKS
- Technologies Used: ESP32, APM 2.8, BLDC motors, GPS, Arduino for control & navigation.
- Objective: Develop a compact drone for precise seed dropping in small farms and hard-to-reach areas.
- Results: Successfully tested for accuracy, stability, and uniform seed distribution.