Neeraj Shripad Bhandagi

MECHANICAL ENGINEER
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CAREER OBJECTIVES

A dedicated and driven Mechanical Engineering student with a strong foundation in CAD software and engineering principles. Seeking to leverage my technical skills and academic knowledge in a challenging role, where I can contribute to innovative projects and continue to grow as a professional in the field of mechanical engineering.

SKILLS

- CAD/CAM
- MATLAB
- SolidWorks
- CNC Programming
- Project management
- Teamwork and Communication

CERTIFICATIONS

AutoCAD Certification

- Mastered 2D and 3D drafting techniques, creating precise technical drawings and engineering layouts for mechanical components and systems.

SolidWorks Certification

- Developed expertise in 3D modeling, part and assembly design, and simulation, with a focus on product development and stress analysis.

NX CAD Certification

- Gained proficiency in Siemens NX for advanced mechanical design and engineering analysis, including assembly modeling and manufacturing solutions.

CATIA Certification

- Acquired skills in parametric design, complex surface modeling, and assembly creation for product development and engineering applications.

EDUCATION

Don Bosco Institute of Technology • B.E. Mechanical

Relevant Coursework: Thermodynamics, Fluid Mechanics, Manufacturing Processes, Strength of Materials, CAD/CAM, Machine Design

P R O J E C T

Multi-Functional 6WD Robot for Tilling and Pestiside Spraying

Duration: Sep 2024-Dec 2024

Team size: 4 members

Tools: fusion 360 , solid edge

Technologies used: ESP32 microcontroller, BTS7960 & L298N motor drivers , High torque motors and arduino based programming

Objective: Designed and developed a compact, multifunctional robot to automate soil tilling and pesticide spraying in small-scale agriculture and confined spaces like nurseries and poultry farms.

Results: Successfully tested for stability, uniform tilling, and even pesticide coverage across uneven terrains.