

# SUBHAM MAHAPATRA PORTFOLIO

Name: Subham Mahapatra

Experience: 2 Years

Specialization: 3D Modeling | Mechanical Drafting | Product Design | Assembly  
Modeling | Technical Drawings

Software Expertise Siemens Nx AutoCAD, creo ,

Location: Berhampur, Odisha

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## ABOUT ME

- Motivated and detail-oriented Mechanical CAD Designer with 2 years of experience in creating accurate 3D models, assemblies, and engineering drawings. Strong understanding of GD&T, manufacturing processes, sheet metal, and product design. Skilled in transforming concepts into production-ready designs while ensuring quality, functionality, and manufacturability.

# TECHNICAL SKILLS

- CAD Software
- Siemens Nx: 3D modeling, assemblies, drawings, sheet metal, weldments
- AutoCAD: 2D drafting, mechanical layouts, technical drawings
- Creo: Modeling, rendering
- KeyShot / AutoCAD
- Siemens Nx

3D Parametric Modeling

Assembly Modeling & Motion Study

GD&T (ASME Y14.5)

BOM (Bill of Materials) Creation

Tolerancing & Fits

Sheet Metal & Fabrication Design

Design for Manufacturing (DFM) & Design for Assembly (DFA)

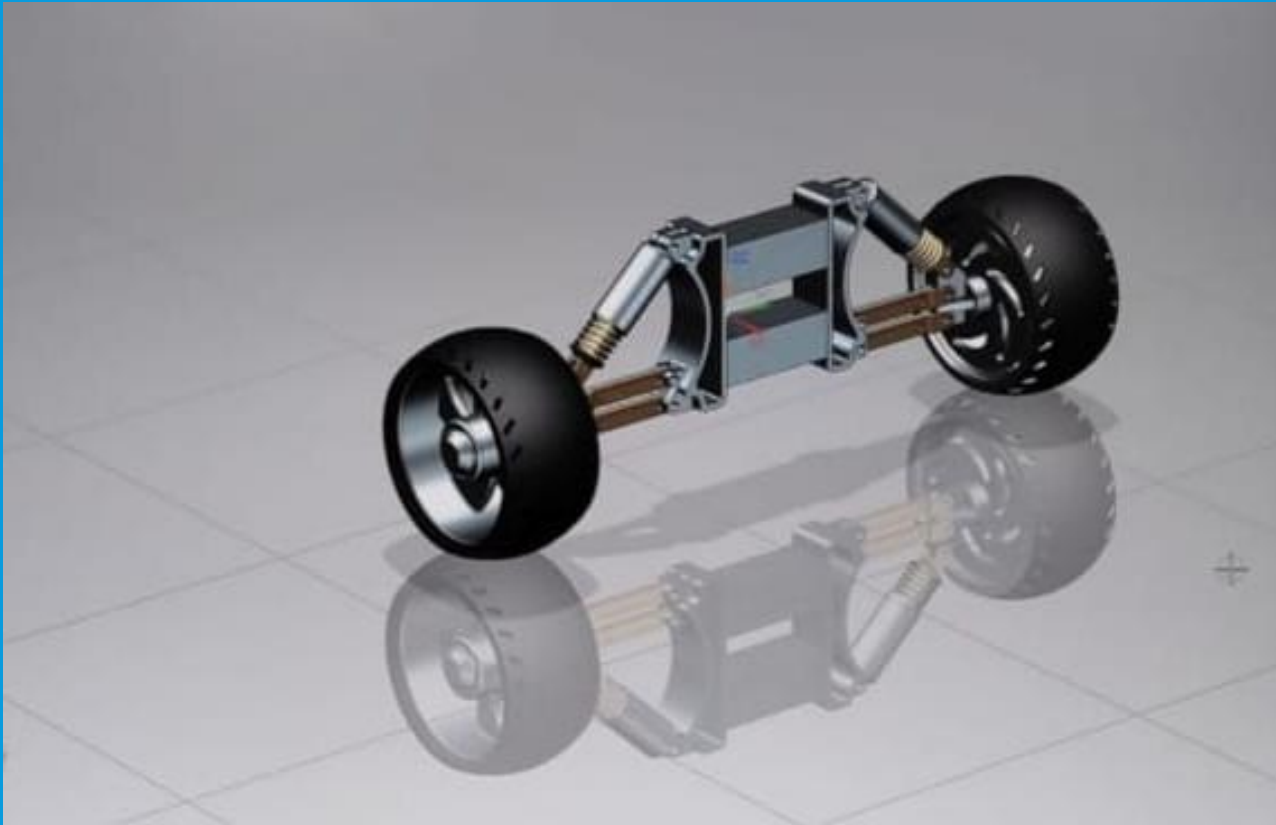
## PROJECT HIGHLIGHTS

- Suspension System Assembly Model & Technical Drawings
- Developed a complete Suspension System assembly using Siemens Nx
- Created individual part models, exploded views, and manufacturing drawings.
- Applied correct tolerances and surface finishes.
- Tools Used: Siemens Nx
- Outcome: Improved design clarity and reduced assembly errors.

# CERTIFICATIONS

- Siemens Nx : Associate
- Autodesk AutoCAD Certified User
- Siemens Nx for Mechanical Design

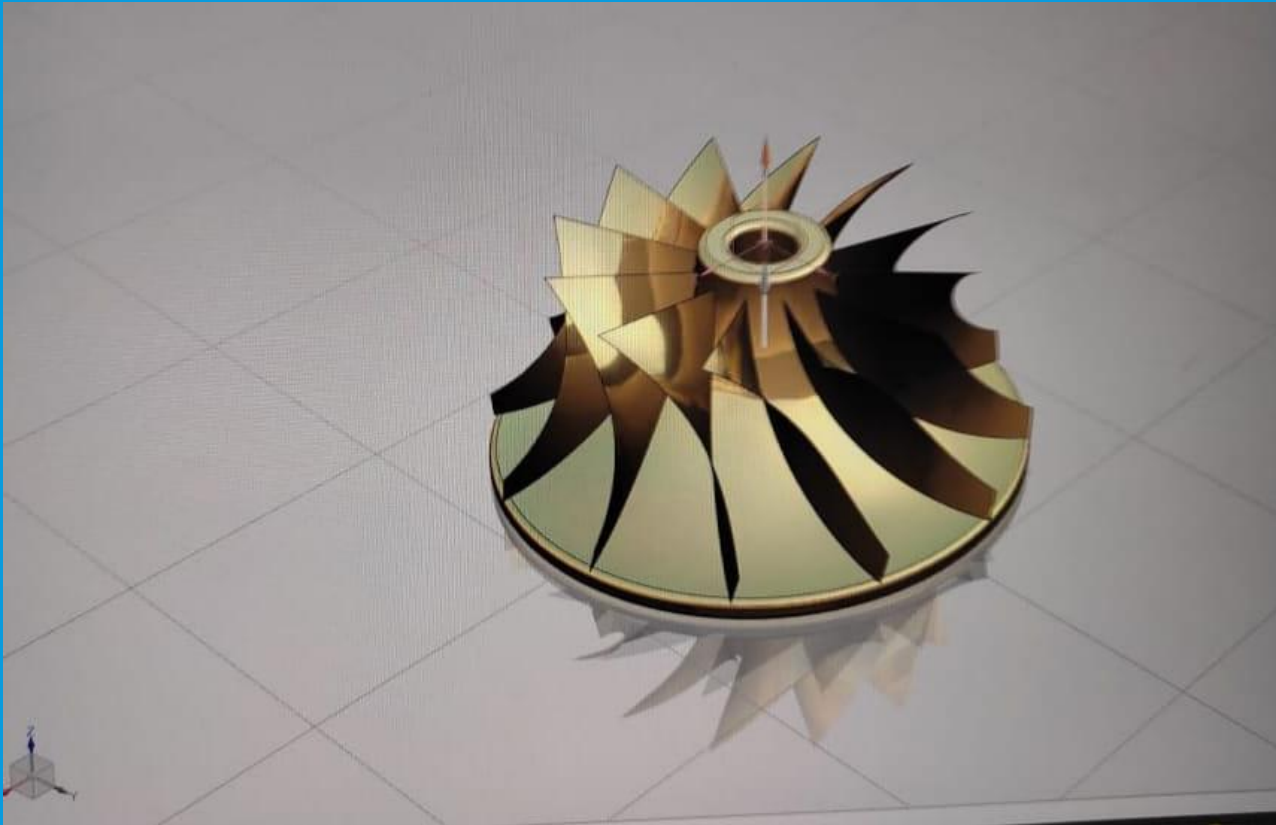
# SUSPENSION SYSTEM



SUSPENSION SYSTEM  
ASSEMBY

MAKING PART FILLES IN  
SIEMENS NX AND ASSEMBLE  
IT.

# IMPELLER



IMPELLER MADE IN SIEMENS  
NX USED IN PUMP AND  
MOTORS

# BEVEL GEAR



HELICAL BEVEL GEAR

USED IN AUTOMOBILES TO  
POWER TRANSMISSION FROM  
ENGINE TO REAR WHEEL