

DEBANANDA MANNA

Design Engineer

Phone: 9123808659

Email: debanandamanna211@gmail.com

LinkedIn: <https://www.linkedin.com/in/debananda-manna-598782215>

Location: Chandipur, Purba Medinipur, West Bengal

Professional Summary

Seasoned Mechanical design engineer in Machinery, Defence & Aerospace industry over 3 years of experience specializing in designing, prototype development, aerospace vehicle integration, documentation, research for improvement through process enhancement and development.

Work Experience

MTAR Technologies Ltd – Design Engineer (Apr 2026 - Present)

- Creating and modifying 3D models, assemblies, and manufacturing drawings using SolidWorks and AutoCAD.
- Preparing and maintaining Bill of Materials (BOM) for project components and assemblies.
- Preparation Manufacturing Process Plans (MPP) and production documentation for nuclear power plant equipment.
- Coordinating with manufacturing, quality, and procurement teams to ensure smooth project execution.

Defence Machinery Design Establishment, (Conceptia Software Technologies Pvt. Ltd) – Design Engineer (Aug 2025 - Mar 2026)

- Working as a Mechanical Design Engineer in DMDE Submarine project.
- Review and Validation of GA & SA design and drawings submitted by OEM.
- Preparation for Bill of Materials (BOM), Quality Assurance Plan (QAP) and Acceptance Test Procedure (ATP) of component for testing and trail purpose.
- Collaborated with OEMs and site teams to monitor project progress and ensure timely execution.

Research Centre Imarat (DRDO) – Mechanical Engineer (Mar 2023-Aug 2025)

- Working as a Mechanical Design & Integration Engineer in DRDO project.
- 3D modeling of Airframes, sub-system, Aerospace Component and their drawing generation.
- Preparing Master Drawing Index (MDI), Integration Process Document (IPD), Bill of Material (BOM) & relevant documents for System & Sub-System level integration.
- Designing of aerospace vehicle handling equipment, Weapon transportation container, Integration Jigs & fixtures.
- Mechanical integration of system, sub-system assembly and troubleshoot integration issues of aerospace vehicle in trail and testing.

Education

B.Tech in Mechanical Engineering - 2024 JLD engineering & management
College **CGPA:** 7.73

Diploma in Mechanical Engineering - 2021
Birla Institute of Technology
CGPA: 8.2

Higher Secondary Education – 2017
Hanschara M. D. High School
Percentage: 61.6%

Secondary Education - 2015
Vivekananda Vidyapith
Percentage: 64%



Personal Details

- D.O.B – 17.01.1999
- Marital Status - Unmarried

Key Skills

- CAD Design
- 3D modeling
- Prototype Development
- Drafting & Drawing generation
- Mechanical Integration
- GD & T
- Manufacturing Process

Software Skills

- SolidWorks
- Auto CAD
- Creo Parametric
- MS office

Personal Strengths

- Self-Motivated
- Detail-Oriented
- Reliable & Hardworking
- Strong Analytical
- Problem- Solving Skills
- Adaptable to New Technologies

Languages

- Bengali – Fluent
- English – Fluent
- Hindi - Fluent