HARIRAJ N A

Mechanical design Engineer fresher

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--- **Objective** ---

Dedicated, results oriented person looking to gain experience and knowledge from the opportunity. Seeking challenges , so as to utilize my skills for the organizational and individual growth.

--- **Experience** ---

- **HEAVY VEHICLS FACTORY(MINISTRY OF DEFENCE)**   Mar-2024 - Feb-2025
  GRADUATE APPRENTICE TRAINEE

  Diagnosed and repaired hydraulic system issues, including pumps, valves, actuators, and seals in CNC machines.

  Serviced the Hydraulic Motor pumps,such as Piston pump, Gear Pump.

  Operated and maintained CNC/lathe/milling machines.

  Performed precision machining and assembly of critical components used in T-72 and T-90 defense tanks.

  Collaborated with cross-functional teams for fitment, testing, and validation of assembled components.

  Conducted inspections and applied quality control methods to minimize defects and improve reliability.

  Supported process improvements in machining and assembly to enhance efficiency and reduce rework.

--- **Projects** ---

- Experimental investigation and analysis of SS3164L & MS 1080 weld characteristics using MIG welding.

--- **Education** ---

- **PUMO TECHNOVATION -TAMBARAM**
  COMPUTER-AIDED DESIGN

- **UNIVERSITY COLLEGE OF ENGINEERING KANCHIPURAM**   2023
  BE MECHANICAL ENGINEERING
  CGPA :7.60

- **Dr. NATARAJAN MATRIC HR SEC SCHOOL-VETTANGULAM**   2019
  HSC
  71%

- **Dr. NATARAJAN MATRIC HR SEC SCHOOL-VETTANGULAM**   2017
  SSLC
  84.8%

--- **Skills** ---

- Part Modeling (casting)
- Sheet metal modeling
- Surface modeling
- Assembly modeling(top down, bottom up)
- GD & T and welding symbols application
- Drafting & Detailing
- Remastering
- Boolean

Software Skills

- Auto CAD
  Creo parametric(proficient)
  CATIA V5
  Solid works

Languages

- English Tamil

DECLARATION

- I Hereby declare that all the information's furnished above is true to the best of my belief