

DERRICK HEMSWORTH

["https://derrickshemsworth.github.io/DERRICK_HEMSWORTH/index.html"](https://derrickshemsworth.github.io/DERRICK_HEMSWORTH/index.html)

(B.E Mech Engg.)

DESIGN ENGINEERING TRAINEE

Total Exp. 3 years 2 Months & 24 days

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Having garnered over a triennium of professional experience, I initially cut my teeth in the manufacturing sector, eventually transitioning to roles of greater responsibility within decision-making departments. Progressing through various industries including vehicle part manufacturing, shipyard operations, and machinery part production - each providing me with invaluable insights into the realm of information technology - I ultimately found myself equipped with the acumen necessary to conceive and execute a plan to establish my own enterprise.

Proficiency in,

Tribon M3 (3D structural modelling) | Mechanical AutoCAD and Draft sight | MS office (Excel, Word and Power Point) | Pro-E (3D modelling) and Ansys (Analysing software) | Blender 2.8 (Basic design software) | Flutter (Dart programming) and Android studio (App development) | Programming language (C and C++)

● PROFESSIONAL EXPERIENCE

May 2022 - December 2022

Advance Degree Mechanical (Design Engineer Trainee .MOD dept.) | COCHIN SHIPYARD LIMITED, Cochin, Kerala, India.

Contributed to the creation of procurement documents for the Fuel Cell Catamaran Ferry boat project. | Participated in the creation of initial technical specifications for the NDS 137m sea shuttle/Sam skip. | Assisted in preparing pipe fittings and pipe drawings (2D and 3D) for vessels carrying 500 passengers.

March 2021 - May 2022

Graduate Apprentice Engineer Trainee (MOD dept.) | COCHIN SHIPYARD LIMITED, Cochin, Kerala, India.

Worked as a design engineer at the Machinery Outfit Design department on the project of a cargo vessel, a 500- and 1200-passenger vessel, and KMRL. | Assisted in the analysis of the piping and instrumentation diagram and prepared a skeleton diagram, pipe length estimation, and detailed description of the fuel oil system, lube oil system, firefighting system, and exhaust gas system with process capability analysis. | Assigned responsibility for issuing drawings and manuals to the quality control | department and production planning control department, and managed drawing-related issues. | Contributed to the preparation of pipe fittings and pipe drawings (2D and 3D) for the 1200-pass vessel | Assisting in the creation of a database for the marine piping system | Assist in teaching engineering drawing subjects to marine engineering trainees.

September 2020 - March 2021

Graduate Engineer (Quality Control Engineer Trainee) | MITSUBA INDIA PVT LIMITED, Tiruvallur, Tamil nadu, India.

Assessed the quality of the stator motor and fuel injector products, prepared them for shipment, and got the materials that were delivered. | Examine plans, specifications, and blueprints thoroughly to comprehend the product requirements. | Identified quality-related issues and met deadlines. | The quality assurance team received training from me.

June 2019 - August 2020

Mechanical Supervisor | HORIZON ENGINEERS AND CONTRACTORS, Gujarat, India.

Observed the operation of all boilers or tanks that are made to operate at pressures that are much higher than the ambient pressure. | Executed CNC operations such as boring, milling, and other related tasks. | Experienced in fabricating, erectioning, and constructing pipelines. | Materials and manpower are supplied in a guided manner.

● INTERNSHIP

Android Developer | 6 months | STUDYBOARD LTD, IT Sector, Ernakulam, Kerala, India.

Developed the user interface for an app, website, or any other interactive medium. | Developed and executed software programs.

● EDUCATION

BACHELOR OF ENGINEERING | MECHANICAL | 2019

Christian college of engineering and technology, Oddanchathram, Dindigul, Tamil nadu, India | Anna university | 83.5%