ARULMANI M

Design Engineer

OBJECTIVE

Highly-motivated employee with desire to take on new challenges. Strong work ethic, adaptability, and exceptional interpersonal skills. Adept at working effectively unsupervised and quickly mastering new skills.

WORK HISTORY

Nibhav Lift, Chennai,Akkarai
2026-05-Current | Design Engineer

- Developed elevator product concepts aligned with client requirements and engineering constraints.
- Produced detailed CAD drawings for cabins, doors, and fixture layouts.
- Collaborated with engineering and manufacturing teams to resolve design feasibility issues.
- Collaborated with a team of engineers to develop new products.
- Coordinated with developers throughout the entire product lifecycle, ensuring alignment between design vision and technical specifications.
- Converted project specifications into drawings and other materials that would be used to create products.

2025-02 - 2026-02 | Design Engineer
Atomic Engineers, Coimbatore, India

- Created 2D drawings and 3D models using SolidWorks based on customer requirements and engineering standards.
- Prepared assembly models, part drawings, and detailed manufacturing drawings.
- Applied GD&T, dimensions, tolerances, and BOM in technical drawings.
- Modified existing designs as per production and client feedback.
- Coordinated with fabrication and machining teams for design feasibility.
- Performed sheet metal and structural design using SolidWorks tools.

EDUCATION

2018-06 | Diploma Mechanical Engineering

Mechanical Engineering
Autonomous Central Polytechnic College - Chennai
GPA: 75%

2015-03 | General Studies

C.H.S. School - Chennai
GPA: 73%

2013-05 | S.S.L.C: General Studies

C.H.S. School - Chennai
GPA: 82%

SOFTWARE KNOWN

AutoCAD shortcut commands

CAD software proficiency

2D drafting proficiency

Solid works 3d part modeling
Catia 3d Part modelling

PERSONAL TRAITS

Helpful

Positive think

Friendly

Quick understanding and learning.

Positive approach.

HOBBIES

- Maintained drawing revisions and engineering documentation. Ensured design accuracy, and reduced errors before manufacturing release.
- Supported project completion within deadlines and quality standards. Improved productivity by creating reusable templates and a standard parts library.

2022-07 - 2025-01 | Yard Supervisor and Store Keeper
Sri Sai oil field equipment and marine service pvt ltd, Mumbai

- Reviewed supplies inventory levels and purchased necessary items.
- Estimated project materials, time and staffing requirements based on work orders and job specifications.
- Daily morning meeting conduct and evening meeting conduct with yard crews.
- Organize the store inventory level and monitoring.
- Inward and Outward data entry in excel sheet.
- Work completion report preparing after complete scope of work.
- Scope of work preparing for new job or project.
- Prepared and led staff training and instruction.
- Monitored employee performance and provided feedback to improve efficiency.
- Maintained accurate records of inventory levels, deliveries, shipments, and other related documents.
- Inspected materials received from vendors for quality assurance purposes.
- Coordinated efforts between departments to facilitate smooth workflow processes.
- Purchase requisition is preparing for new material procurement for new project and Good receipt note is making after material quality and quantify as per invoice or delivery notes.
- Ready the material for offshore

2021-05 - 2022-06 | CNC Operator and Offsetting
Flurokraft, Chennai

- Operating the CNC lathe machine and tool offsetting
- Daily production target with quality control
- Work piece Tolerance maintain by input offset
- Check the dimensions of the work piece by vernier caliper and micrometre
- Calculated dimensions and tolerances using knowledge of mathematics and instruments such as micrometers or calipers.
- Replace worn tools or defective parts in order to maintain proper functioning of equipment.
- Follow safety regulations at all times while operating CNC machinery.
- Maintained production tooling by replacing and grinding worn tools.
- Ensured the machines are properly lubricated and cooled during the machining process.

Learning new things, Playing Cricket and Chess, Traveling, Listening Songs

LANGUAGES

Tamil — Bilingual or Proficient (C2)

English — Intermediate (B1)

Hindi — Advanced (C1)

Telugu — Beginner (A1)

CONTACT

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- Achieved safety, quality, and performance standards to meet production schedules.

2020-07 - 2021-04 | VMC and CNC Operator
TVS, Sundrom Clayton limited, Chennai

- Operating the VMC machine and tool offsetting
- Daily Target achieving and quality control
- Check the work piece Tolerance and dimension by required gauges and fixture
- Collaborate with other personnel including engineers. supervisors and technicians.
- Perform minor repairs on CNC machinery as needed.
- Read blueprints and job orders to determine product specifications and tooling instructions.
- Selected the appropriate tools. machines, and materials to be used in preparation of machinery work.
- Verified proper cooling and lubrication of workpieces during machine operation.

2018-11 - 2020-07 | Molding Machine Operator
Vijay plastics, Chennai

- Operating the Injection molding machine and Check work piece quality control.
- Preheating plastic raw material as per preheating standard.
- Loading and unloading the different types molding in the machine.
- Set the auto tonnage in the beginning.
- Daily production target achieving.
- Maintain work piece Tolerance as per drawing by required gauges.
- Maintain work piece tolerance
- Observed machine operations to detect problems and make necessary adjustments to correct issues.
- Ensure proper safety protocols are followed at all times when working with machinery.
- Monitored meters and gauges to verify and record temperature, pressures and press-cycle times.
- Inspect finished products for any imperfections or flaws that may have occurred during the manufacturing process.