



# MERAJ KHAN

## MECHANICAL ENGINEER

### CONTACT

+971582982449

ermeraj00@gmail.com

### LANGUAGES

English

Hindi

### SKILLS

- Mechanical system design & fabrication
- Piping systems & structural analysis
- Cost estimation & budgeting
- Quality control & compliance (ISO, ASME)
- AutoCAD & SolidWorks proficiency
- Project management & team leadership
- Risk analysis & process improvement
- Technical reporting & documentation
- Shaft alignment and installation
- Propeller selection and performance analysis
- Marine propulsion system integration
- Precision balancing and alignment tools

### PROFILE

Experienced Mechanical Engineer with over 5 years of expertise in mechanical design, estimation, fabrication, production, quality control, and piping systems. Proven track record in designing and optimizing mechanical systems, delivering accurate cost estimates, and managing fabrication and production processes to meet stringent quality and safety standards. Committed to continuous improvement and innovation, with a focus on enhancing productivity, efficiency, and reliability across all project phases.

### EDUCATION HISTORY

**Bachelor of Mechanical Engineering & technology, Mechanical Engineer, 2014 to 2018**

Sangam University, Bhilwara, Rajasthan

### WORK EXPERIENCE

**MECHANICAL ENGINEER – EXPERT UNITED MARINE SERVICES L.L.C,**

MAY 2022 – Continue

- Spearheaded continuous improvement initiatives that reduced fabrication time and material waste by implementing lean manufacturing principles.
- Utilized engineering software such as AutoCAD to support design verification and improve drawing accuracy.
- Ensured all fabrication and installation activities complied with relevant ISO, ASME, and client-specific quality standards.
- Conducted root cause analysis for quality issues and implemented corrective/preventive actions, resulting in reduced rework rates.
- Played a key role in preparing technical documentation, method statements, and material submittals for client approvals.
- Trained and supervised junior engineers and technicians, fostering technical growth and ensuring adherence to project standards.

- Ability to document project progress, test results, and design specifications for both technical and non-technical stakeholders.

## RESEARCH AND PUBLICATION

- Presented Research on “Blue Energy” at SKIT National Conference, Jaipur (Rajasthan).
- Presented Research on “Lean Manufacturing at Sangam University International Conference, Bhilwara, Rajasthan
- Coordinated Annual fest “Launion” at Sangam University, Bhilwara.

## ACTIVITIES

- Certification in 'Product Design' from IDTR Jamshedpur.
- Attended workshop on 'Internet of Things' at Sangam University, Bhilwara.
- Attended Seminar on Designing software by IDTR.
- Attended workshop on 'Entrepreneurship Awareness' at Sangam University, Bhilwara.

- Maintaining cost keys and price master's by updating information on a regular basis
- In process inspection/verification (Welding parameter, welder qualification, consumable, equipment's calibration)
- Supervised installation, alignment, and maintenance of marine shaft and propeller systems, ensuring optimal performance and compliance with classification society standards (ABS, DNV, BV).

**MECHANICAL ENGINEER-** JACKSON ENGINEERING AND FABRICATION PVT. LTD, APR.2021 – DEC.2021 India

- Handling Construction, Subcontractors, Monitoring of construction progress, Site activities and QC, Mechanical work, Erection of equipment, alignment, piping, fabrication of piping, Welding, Material handling
- Review/Approve detailed schedules prepared by the subcontractors and reviewed by the Area Superintendents / Supervisors

**EXECUTION SUPERVISOR-** UNNAT ENGINEERING PVT. LTD, JUN 2019- DEC 2020 India

- Planning of work with respect to Material, Manpower & Machinery Fabrication and erection of pipe spools, pipe supports as per the required isometric drawing.
- Inspecting project sites to review progress and identifying critical areas.
- Suggestion for corrective actions: In-depth knowledge of cold & hot insulation.
- Adroit in handling different types of piping fabrication Responsible for MOC (Management Of change) and piping fractionation hance capacity of Unit.
- Monitored contractors while conducting Hydro Test Package, Site Hydro & Pneumatic Test.
- Familiar with Various types of Pipes Like MS, CS, SS and Relevant.
- ASME, ASTM, API & ASNT Codes Checking of piping P&ID and isometric drawing.

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## CERTIFICATIONS

- Certification in “Product Design” from IDTR Jamshedpur.
- Attended workshop on “Internet of Things” at Sangam University, Bhilwara.

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## ADDITIONAL INFORMATION

- Father Name: Mohammad Shamim Khan
- Passport Number: S5388280
- Date Of Expiry: 13 Aug 2028
- Place Of Issue: Ranchi, Jharkhand, India
- D.O.B: 08/06/1997
- Permanent Address: At- Gopaldih, 825109, Jainager, Koderma, Jharkhand, India

### MECHANICAL ENGINEER INTERN – OSCAR ELEVATOR PVT. LTD.

JAN 2018- MAY 2018 India

- Organized data archive of engineering specifications, drawing, and specification and maintained traceability.
- Prepared design document, alignment, specification, criteria details and estimates.
- Studied manufacturing processes to improve overall knowledge.
- Communicated with engineering team to discuss methods to improve process and performance.
- Complied with government and corporate safety policies and regulations.