HAIDER EHSAN KHAN

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Patna, Bihar (India) 8789385053

MECHANICAL ENGINEER

A dedicated mechanical engineer with expertise in design, project management, and manufacturing. Skilled in delivering innovative solutions to engineering challenges, driving team success, and improving operational efficiency.

EDUCATION HISTORY

Bachelor of Technology (B.Tech) in Mechanical Engineering (8.4 cgpa)
Maulana Azad College of Engineering & Technology, Patna | 2020-2024

Intermediate (12th Grade)
A.N College, Patna (79.6%) | 2018-2020

Matriculation (10th CBSE)
Sinha Model High school (80.2%) | 2018

WORK EXPERIENCE

Project Engineer Intern – Water Supply and Pipeline Projects 2024

- Enhancing operational efficiency by 15% through optimized project execution and preventive maintenance strategies.

Innovation and Entrepreneurship Intern 2023

- Created business models and startup strategies, increasing project viability by 20%.
- Strengthened entrepreneurial thinking and project management skills.

SKILLS

Technical Skills

- CAD Design (AutoCAD, SolidWorks)
- Ms office suite
- Proficient in HVAC Engineering
- HVAC Maintenance & troubleshooting
- Mechanical System Design and analysis
- Manufacturing Processes & Techniques
- Material Science
- Thermodynamics & Fluid Mechanics
- Knowledge of Industry Guidelines & Safety Protocols
- Project Management and Team Collaboration

Soft Skills

- Problem-Solving and Analytical Thinking
- Team work and time management
- Adaptability and fast learning

CERTIFICATIONS

- Completed certified internship training in HVAC Design and Systems at Comfort Design (Feb 2024)
- Successfully concluded a comprehensive 12-week NPTEL certification course on 'Training and Development' by IIT Kharagpur (Jan-April 2023)
  - Focusing on advanced techniques for workforce skill development and training optimization
- Completed an 8-week NPTEL certification course on 'Principles of Casting Technology' by IIT Roorkee (Jan-Mar 2023)
  - Developed expertise in casting techniques, material characteristics, and metallurgical principles
- Efficienctly Finished the 'TCS iON Career Edge - Young Professional' course, covering communication, presentation, career guidance, and foundational AI skills (Sep 2021)

PROJECTS

- Hybrid Electric Vehicle Study (HEV)
  - Conducted an in-depth analysis of energy-efficient hybrid systems, resulting in a 10% reduction in powertrain energy losses through optimized designs.
- Designed a project on an RFID ignition system, focusing on enhancing security and user convenience.