



MOHAMMED AKBER ALI

Mechanical/HVAC Engineer

"Dedicated HVAC engineer with 3 years of hands-on experience in designing, installing, and maintaining HVAC systems. Seeking to leverage my expertise in energy efficiency and system optimization to contribute to a dynamic team."

Contact

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Sangareddy, 502001,
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Education

Bachelor of Mechanical Engineering

2017- 2021

CMR Technical Campus, HYD

Expertise

- AUTO CAD
- Duct design, sizing & layout
- Chiller operation, installation & maintenance
- HVAC equipment selection (Pumps, AHUs, FAHUs, FCUs, VRF)
- HVAC drawings interpretation (AutoCAD)
- Refrigeration cycle & equipment knowledge
- Project execution & site supervision

Language

English

Experience

MECHANICAL/HVAC Engineer

Pennar Industries Ltd | Mechanical Engineer | 2022 - 2025

Executed routine and corrective maintenance for HVAC systems, pumps, cooling towers, compressors, and allied mechanical equipment in a large commercial facility.

Diagnosed equipment malfunctions through detailed root cause analysis, leading to a 25% reduction in repeat mechanical failures.

Prepared and modified ducting, piping, and equipment layouts using AutoCAD, ensuring design accuracy and compliance with site requirements.

Coordinated MEP drawings in Revit with cross-functional teams to support efficient installation and system integration.

Developed and implemented preventive and predictive maintenance plans, improving equipment reliability, uptime, and asset life.

Monitored system performance parameters and conducted inspections to ensure optimal energy efficiency and safety standards.

Supervised contractor activities during repairs, overhauls, and equipment installations, ensuring adherence to quality and safety norms.

Maintained maintenance logs, breakdown reports, and inventory records to support audits and continuous improvement initiatives.

Assisted in equipment commissioning and performance testing after maintenance or upgrades.

Followed company safety protocols and industry standards, contributing to a safe and compliant working environment.