Faisal Ahmed Khan

HVAC Engineer

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PERSONAL STATEMENT

HVAC engineer with 6 years of experience in design and execution of chilled-water and VRF systems for offices, hospitals and data centres. Skilled in heat load calculation with HAP, duct and pipe sizing, BOQ preparation and testing and balancing, with strong MEP coordination on fast-track commercial projects.

WORK EXPERIENCE

Senior HVAC Engineer · Deccan Airtech Engineers Pvt Ltd, Hyderabad — Feb 2022 – Present

- Lead HVAC execution for a 9 lakh sq ft IT office campus with 3,600 TR of water-cooled chillers, AHUs and a BMS interface.
- Completed testing, adjusting and balancing for 140 AHUs and FCUs, achieving design airflow within ±5% at handover.
- Saved ₹1.6 crore for the client through value-engineering of duct routing and AHU selections after a joint review with the consultant.
- Coordinate HVAC services with electrical, plumbing and fire teams in clash-detection meetings using Revit models.

HVAC Design Engineer · Charminar Cooling Solutions, Secunderabad — Jun 2019 – Jan 2022

- Prepared heat load calculations in HAP and equipment selections for 25+ offices, hospitals and showrooms.
- Designed VRF and ducted split systems up to 450 HP, including duct layouts and refrigerant piping in AutoCAD.
- Prepared BOQs and technical submittals and answered consultant queries during tender stage.

EDUCATION

B.E. in Mechanical Engineering · Muffakham Jah College of Engineering, Hyderabad — 2015 – 2019
Grade: 7.5 CGPA

SKILLS

Heat load calculation · Carrier HAP · Chilled-water systems · VRF systems · Duct design · AutoCAD · Revit MEP · Testing and balancing

CORE SKILLS

- MEP coordination
- Value engineering
- Site execution
- Commissioning
- Client and consultant liaison

CERTIFICATIONS

Certificate in HVAC Design · Private training institute — Sep 2019

LANGUAGES

English · Professional · Urdu · Native · Hindi · Fluent · Telugu · Conversational

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