

# AKHIL KRISHNA A

SENIOR DESIGN ENGINEER

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Mechanical engineer with 8+ years of invaluable experience as a Piping Design Engineer in Thermal Power Plant and Refinery. I am currently looking to acquire a good position as a Senior Design Engineer for Piping.

## Websites and Profiles

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**LinkedIn:** <https://www.linkedin.com/in/akhilkrishna-a>; **Website:** <http://akhilkrishnaa.com/>

## Software/Technical Skill

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Plant 3D, E3D, Navisworks Manage and SolidWorks

## Experience

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**Senior Design Engineer** **12-2021 to Present**

**Company: Creative Synergies Group**

- Worked on Benzene Extraction Unit, Water Treatment plant, Bioenergy Projects.
- Design and develop piping systems for transporting fluids, gases, and other materials.
- Understanding, and studying vendor drawings, PIDs, PFD, plot plan, and LAYOUT Drawings.
- Developed Pipe routing, 3D modeling Structure, Equipment, and fixing supports.
- Preparing material take-offs including pipe, fittings, and valves
- Extraction of Drawings and reports from the modeling software.
- Executed checking of clashes using Navisworks, review sub-vendor drawings and designs, client review.

**Freelance 3D Modeler** **06-2020 to 03-2021**

**Company: Parascadd Pvt Ltd**

- Piping routing based on PID.
- 3D Model review with client for further addition and modification.
- Worked on utility and firefighting lines.

**Piping Design Engineer** **12-2018 to 03-2020**

**Company: Parascadd Pvt Ltd**

- Worked for Dual Feed Cracker Unit in Petrochemical.
- 3D Modeling and review by analyzing P&ID, PFD, Equipment Layout Drawings, plot plan and GA Drawings.
- Selection of Materials using Piping Material Specification, Line size Calculation, and international standards.
- Analysis of Pipe class, Specification, and Material Take-off details Updation.
- Model reviewing using Autodesk Navisworks Manage ensuring the project adjustment as necessary.
- Coordinating spooling of pipe and issue isometric for prefabrication drawing on site condition.

**Assistant Professor** **06-2015 to 11-2018**

**Company: Mount Zion College of Engineering, Government Polytechnic Adoor, Archana Engineering College**

Subjects Handled: -

- Thermal Engineering, Thermodynamics, Dynamics of Machinery and Refrigeration & Air Conditioning

**Design Engineer** **12-2011 to 01-2013**

**Company: Kurup Infrastructure Pvt Ltd Client**

- Worked for 275 MW Coal Fired Power Plant with 5 units each.
- Piping Materials Selection as per project requirements, and Providing expertise in pipe support details.
- Review and modification of routing of piping and BOM using P&ID, Isometric, and GAD.
- 3D modeling using drawing using Solid Works including pipe Routing.
- Developing a Bill of material, Generation of GA, Isometric, and Fabrication drawings for Piping, Structure, and Equipment.
- Extraction of ISO for piping and Draft for SKID GA, Container GA, and Container construction drawing.

**Site Engineer Piping** **12-2010 to 11-2011**

**Company: ESP (ASIA) Pvt Ltd**

- Worked for 150 MW Coal Fired Power Plant with 6 units.
- Inspection of piping materials as per project requirement approved relevant drawings
- Checking piping layout diagrams, analysis of Process Flow diagrams, P&ID, and related documents.

## Education

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**06.2013-06.2015**

**Vickram College of Engineering**  
ME – Engineering Design

**08.2006-11.2010**

**Vickram College Of Engineering**  
BE – Mechanical Engineering