

## YOKESH CHANDRASEKARAN

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### PROFESSIONAL SUMMARY

Mechanical and Piping Design Engineer with 2+ years of experience in piping design across greenfield, brownfield, and as-built projects. Skilled in Smart 3D (S3D), isometric drawing creation, plant layout, and equipment tie-in designs. Adept at applying ASME and API standards to ensure safety and compliance in piping systems. Proven ability to automate workflows and develop custom applications using Python, improving efficiency and productivity. Seeking to contribute piping design expertise within a global engineering team.

### TECHNICAL SKILLS

Codes & Standards: ASME B31.3, ANSI, API

3D Modeling Tools: Smart 3D (S3D)

Drafting Tools: AutoCAD, Microsoft Office

Capabilities:

- Piping Layout & Isometric Drawing Creation
- Nozzle Orientation & Tie-ins
- As-Built Documentation
- Clash Checking & Layout Optimization
- Equipment Tie-in Designs
- Application Development (Python)

### PROFESSIONAL EXPERIENCE

Project: ACF-MB & DM – Greenfield Piping Project

Company: Dexterity Design Services, Chennai | Role: Piping Designer | July 2023 – Present

- Developed over 60 piping isometric drawings using S3D software.
- Coordinated with interdisciplinary teams to resolve routing conflicts.
- Ensured compliance with ASME B31.3 and company specifications.
- Delivered IFC deliverables with 100% schedule adherence.
- Finalized equipment locations and developed layout plans.
- Delivered +60% and +90% 3D model reviews and integrated stakeholder feedback.
- Conducted clash checking, reviewed IDC documents, and managed MTO preparation.
- Oversaw daily execution, delegated modeling work, and ensured client alignment.

Company: Dexterity Design Services, Chennai | Role: Piping Checker

Project: SWSR – Sulphate Recovery Project-Greenfield Piping Project

- Performed detailed ISO checking and ensured alignment with red-marked revisions.
- Coordinated and resolved internal model review comments.
- Conducted clash detection and interdisciplinary coordination for resolution.
- Validated MTO quantities and supported QA/QC during model review phases.

Project: Mangala Processing Terminal – Brownfield Project

Company: Dexterity Design Services, Chennai | Role: Piping Designer

- Integrated new pipelines into an operational facility with strict downtime constraints.
- Executed layout modifications ensuring safety compliance.
- Delivered high-precision isometrics for retrofitting work.

Project: Habshan – As-Built Project

Company: Dexterity Design Services, Chennai | Role: Piping Designer

- Acted as the Piping Focal Point for the as-built project.
- Reviewed installed piping systems and updated Smart 3D models.
- Supported field teams by interpreting P&IDs and creating corrected layouts.
- Delivered over 8000 piping isometrics and 900+ piping GADs with accuracy.

## EDUCATIONAL QUALIFICATIONS

● Bachelor of Engineering – Mechanical Engineering | Rajalakshmi Engineering College, Chennai | Graduated: Nov 2020 | GPA: 6.92/10

## CERTIFICATIONS

- Industrial Automation & Robotics – MSME (2017–2018)
- Industrial Robotics – AGIIT (2019)
- Java & J2EE (2019–2020)
- Python and Django (2021)

## LANGUAGES

- Tamil – Native
- English – Professional Working Proficiency

## DECLARATION

I hereby declare that the information provided above is accurate to the best of my knowledge.

Best Regards,  
Yokesh Chandrasekaran