

# KORADA SAI CHAITANYA

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| Process Technician |



## AREAS OF EXPERTISE

Plant & Equipment Operation

Preventive Maintenance Coordination

Process Monitoring & Control

Emergency & Fire Response



## TECHNICAL/IT SKILLS

- Plant Automation Systems: TDC-300, Experion PKS-R500 (Honeywell)
- Software Tools: MS Office (Excel, Word, PowerPoint)
- Instrumentation Knowledge: Pressure transmitters, control valves, gauges



## ACADEMIC CREDENTIALS

2022

Diploma in Chemical Engineering from Govt. Institute of Chemical Engineering, Visakhapatnam SBTET, Hyderabad



## KEY HIGHLIGHTS

### CERTIFICATIONS & PROJECT HIGHLIGHTS

- Fire Fighting & Safety Training – Participated in mock drills and emergency simulations.
- Process Safety Management System (PSMS) – Member of in-house safety committee.
- Permit-to-Work Certified – Familiar with hot work, confined space, height, excavation, chipping.
- Handled Projects Involving:
  - Fixed-bed and plug-flow reactors
  - Distillation and isomer separation
  - Hydrogen compressors (reciprocating & centrifugal)



## PERSONAL DETAILS

- Date of Birth: 15th December 2002
- Languages Known: English, Telugu, Hindi
- Current Address: D.No: 36-8-4, Kotha Reddy, Kancharapalem Near Old Rama Rao Hospital, Visakhapatnam – 530008



## PROFILE SNAPSHOT

**Dedicated and technically skilled Process Technician with 2+ years of hands-on experience in Oxo-Alcohols production, specializing in 2-Ethyl Hexanol and Butanol processes.**

- Proficient in operating DCS-controlled systems (Honeywell TDC-300 & Experion PKS-R500), managing distillation units, compressors, reactors, and various field instruments.
- Demonstrated ability in plant operations monitoring, troubleshooting, preventive maintenance coordination, and maintaining safety and environmental compliance.
- Strong knowledge in Process Safety Management System (PSMS), MSDS, and emergency response procedures including firefighting and equipment handling.
- Skilled in preparing shift reports, managing process parameters, and coordinating with multidisciplinary teams to ensure smooth and safe operations.
- Completed one-year industrial internship in reputed firms like Dr. Reddy's Laboratories and Vishnu Chemicals Ltd, contributing to practical expertise.



## WORK EXPERIENCE

The Andhra Petrochemicals Ltd. – Visakhapatnam  
Process Technician | Jul 2022 – Present

Plant: 2-Ethyl Hexanol & Butanol Production Plant

Technology: TATA Honeywell DCS (TDC-300), Experion PKS-R500

### Key Responsibilities:

- Operate and monitor plant equipment including reactors, distillation columns, compressors, heat exchangers, and control valves using DCS systems.
- Maintain critical process parameters (temperature, pressure, flow) for continuous and stable operations across hydrogenation and purification units.
- Execute plant start-up, shut-down, emergency handling, power/process/boiler trips procedures per SOPs and MSDS guidelines.
- Coordinate with Mechanical, Electrical, and Instrumentation teams for scheduled maintenance and issue resolution.
- Monitor flare system, safety permits, storage tank levels, seal pot makeup, and ensure adherence to safety protocols and PPE compliance.
- Participate in safety drills, firefighting exercises, and hazard prevention programs; member of PSMS with exposure to fire hydrants, extinguishers, detectors.
- Prepare and submit daily, monthly production reports and maintain accurate logbooks, sampling records, and shift handover documentation.

### Previous Experience

#### PREVIOUS INDUSTRIAL TRAINING EXPERIENCE

- Dr. Reddy's Laboratories Ltd. – 6 Months (Diploma Final Semester)
- Vishnu Chemicals Ltd. – 6 Months (Diploma 5th Semester)
- Exposure to chemical processing equipment, plant layout, safety norms, and operations of reactors, filters, pumps, and quality systems.