



Chinmaya Sharma

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Summary

Results-driven professional with 5+ years of experience across operations, digital transformation and asset reliability. Skilled in project management, process improvement, and cross-functional stakeholder management, with a creative edge, turning complex technical work into compelling stories that drive stakeholder buy-in.

Professional Experience

Manager/Senior Engineer, Operations & Maintenance | GAIL (India) Ltd. | Vijaipur

- Directed root-cause analysis and preventive/corrective maintenance programs across 11 vendor contracts and 900+ annual work orders at Asia's largest gas compressor station, improving asset reliability and generating savings exceeding ₹10 crore per year.
- Architected system design for a ₹30 crore Central Historian and Enterprise Operations Dashboard spanning 8 compressor stations and ~55,000 process tags, enabling real-time KPI and performance metrics tracking, and advancing data-lake integration, analytics, and OT-IT convergence across plant operations.
- Delivered control system design for a ₹20 crore gas turbine electrification project, achieving first-attempt startup and avoiding downtime losses of over ₹1 crore across plant operations.
- Led a ₹50+ crore control system upgrade spanning 14 PLCs and 12 gas turbines, enhancing operational performance, system availability, and plant-wide reliability across compressor operations.
- Improved operational excellence by leading 4 zero-cost initiatives, automating 2 daily KPI reports, saving 100+ man-hours/month, increasing energy accounting reliability by over 20%, and avoiding ~₹15 lakh in costs.
- Managed deployment of an enterprise OT cybersecurity program across 4 compressor stations, 3 domains, 20+ PLCs, and 47 endpoints, implementing real-time threat detection and Claroty-based network monitoring.
- Executed end-to-end delivery of 7 metering skids across 6 flow streams, ensuring zero-compromise safety and avoiding downtime losses of over ₹5 crore across operations.
- Managed procurement and execution of ₹2.1 crore in vendor and supplier contracts, ensuring operational continuity and financial compliance.
- Advanced sustainability and ESG goals by designing integration of a hydrogen blending system at a 2.5% blending rate, delivering approximately ₹85 lakh in annual natural gas savings and supporting long-term decarbonization targets.
- Ensured metering accuracy by developing calibration programs for 28 flow meters, coordinating cross-functional teams and achieving zero deviations across 10+ audits over a 5-year cycle.
- Strengthened organizational capability by mentoring and training 4 executive trainees across 21 critical systems, building team leadership capacity and generating savings exceeding ₹30 lakh annually.

Executive Trainee, Operations & Maintenance | GAIL (India) Ltd. | Vijaipur

- Commissioned a lean amine feed pump in a live plant environment with zero downtime, coordinating 30+ contract personnel across multiple cross-functional teams under strict safety protocols.
- Designed a gas flow reconciliation framework for a GPU plant processing ~21 MMSCMD (~₹2 crore/day), improving process accountability, loss identification, and audit accuracy across operations.
- Executed critical maintenance with cross-functional collaboration during planned shutdowns, including valve overhauls, instrument modifications, and safety valve calibrations, completing all activities within a one-month shutdown window.
- Conducted root-cause analyses on critical rotating and process equipment, including Siemens gas turbines, Elliott-Ebara expander compressors, KEPL amine pumps, Thermax boilers, and Yokogawa DCS systems, coordinating with OEM teams to sustain high equipment availability.
- Participated in IT/OT cybersecurity audits with external agencies, identifying network vulnerabilities and driving remediation across plant operational systems and infrastructure.

Graduate Engineering Trainee, Control Systems | Bechtel (India) Pvt. Ltd | Gurugram

- Reviewed 250+ P&ID drawings across multiple projects to develop instrument indices, cause-and-effect matrices, and HAZOP/LOPA documentation, supporting design accuracy and regulatory compliance.
- Delivered design and engineering support for ₹100+ crore of cross-functional projects, ensuring timely delivery of instrumentation documentation and system designs.
- Automated instrument-index workflows using Excel-based tools integrated with SPIndex, improving documentation efficiency by 20%.
- Applied SP3D design tools for optical fibre routing and cable estimation, improving layout accuracy and reducing rework risk by 15%.

Education

Bachelor of Engineering (Instrumentation & Control) – *Netaji Subhas Institute of Technology, Delhi* | India

Accomplishments and Awards

- Achieved All India Rank – 13 in GATE 2021 exam
- Received Letter of Appreciation from Director (Finance) for field level contribution to SAP-HANA implementation.
- Received Letter of Appreciation from ED (O&M) for leading control system development and successful commissioning support for a ₹20 crore gas turbine electrification project and successful startup at first attempt.
- Received Appreciation from CGM (O&M) for conceptualizing and delivering in-house digital transformation initiatives relating to Utility Dashboards that enhanced operational transparency, data integrity and decision making.

License & Certifications

- Lean Six Sigma Green Belt, KPMG
- OT Cybersecurity, NFSU

Co/Extra-curricular

- Social Cell Head - Media & Marketing Team at IIM Ahmedabad
- Editor in Chief – Internal Departmental Magazine – Presented to Director (Projects)
- YouTube Channel Manager – 700K+ views & 130K+ watch hours – 33%+ average viewer retention on long-form content.