

Aditya Pathania

6 Years 6 Months Overall Experience

Aditya is a seasoned mechanical engineer with over 6 years of experience in steel manufacturing, having served as Area In-Charge for critical mechanical systems at ArcelorMittal Nippon Steel. He brings deep expertise in maintenance strategy, reliability engineering, and plant operations, with a strong track record of leading reliablility,safety, and cost-saving initiatives. Aditya has been recognized at the national level with multiple awards for innovation and operational excellence, and has consistently delivered high-impact results in high-throughput rolling mill environments.

Industry

- Manufacturing
- Operations
- Steel

Functional Areas

- Operations Management
- Maintenance & Reliability
- Cost Optimization
- Safety & Compliance
- Business Process Improvement
- Continuous Improvement
- Operational Excellence

Education

Indian Institute of Management, Indore (IIMI)

MBA

2025-2026

National Institute of Technology, Srinagar

Bachelor of Technology in Mechanical Engineering

2014-2018

Certification

Lean Six Sigma Green Belt – KPMG

Certified in data-driven problem solving and process improvement, with hands-on training in quality tools, root cause analysis, and structured project execution.

2025

McKinsey Forward Program

Completed a global learning journey focused on problem-solving, digital collaboration, and business communication, designed to build future-ready leadership and analytical skills.

2025

Accomplishment

QCFI Gold Trophy

Represented AM/NS India at the QCFI National Convention; awarded for presenting an innovative maintenance solution that addressed recurring breakdowns effectively

Steel Star Award

Received for designing an in-house flexible coupling that replaced OEM dependency, reduced downtime by 50%, and delivered annual cost savings of INR 1.25 Cr.

Hall of Fame Awards

Recognized for reliability projects like furnace door redesign that doubled MTBF and extended equipment life

IIM Indore Corporate Interaction Team

Working with 7 CIC members for organizing leadership talks and industry engagement sessions with senior business leaders across diverse sectors

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Experience

Arcelor Mittal Nippon Steel India Limited

5 Years
Section Engineer

Apr' 20 - Apr' 25

- Led mechanical maintenance as **Area In-Charge** for the roller table section, overseeing shutdown execution, spares management, and inventory control for critical equipment in a high-throughput mill.
- **Managed a team of 7 as Shift In-Charge**, ensuring timely breakdown response and effective maintenance execution to keep plant operations running smoothly during shifts.
- **Executed 50+ planned and 5 capital shutdowns on schedule**, achieving >93% equipment uptime and ensuring 100% safety compliance through proactive maintenance planning and audit readiness.
- **Redesigned reheating furnace doors**, eliminating recurring 14-hour downtimes, doubling MTBF, and delivering INR 1.4 Cr/year in savings — awarded Hall of Fame.
- **Designed an in-house flexible coupling**, reducing downtime by 50% and eliminating OEM dependency — saved INR 1.25 Cr/year and earned the Steel Star Award.
- **Represented AM/NS India at QCFI National Convention**, winning the Gold Trophy for an innovative cost-saving maintenance project.
- **Contributed to a warehouse digitalization pilot at Plate Mill**, enabling INR 7.52 Cr/year potential savings by reducing truck turnaround time and boosting OTIF compliance.
- **Implemented real-time pilot pressure monitoring in HAGC**, improving process control and stability — resulting in INR 1.04 Cr/year savings from fewer unplanned stoppages.
- **Improved micro-shutdown safety across 3 production lines**, working with the E&A team to install emergency stop switches in critical roller zones.
- **Achieved zero lost-time injuries in high-risk areas** by preparing area-specific HIRACs, enforcing SOPs, and driving safety improvements through ergonomic upgrades, risk assessments, and clear work instructions.

Essar Steel India Limited

1 Year 5 Months
GET

Nov' 18 - Mar' 20

- Completed rotational training across major departments to gain end-to-end exposure to core steel plant operations, including slab yard, reheating furnaces, mill mechanicals, utilities, and maintenance systems
- Supported the tracking of oil consumption and assisted in preparing detailed monthly MIS reports, enabling better visibility into resource usage and contributing to informed maintenance and cost-optimization decisions