

SHYAMSUNDAR DHARWAD

Mechanical / Mining Machinery Engineer – Cement Plant & Heavy Equipment Operations

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PROFESSIONAL SUMMARY

Hands-on Mechanical & Mining Machinery Engineer with **5+ years of experience at Larsen & Toubro (Construction & Mining Machinery)** supporting heavy equipment used in large-scale infrastructure and mining projects. Strong expertise in **hydraulics, power transmission, diesel engines, excavators, preventive maintenance, breakdown analysis, and SAP-based service operations**. Well-suited for **cement manufacturing plant technical roles** involving crushers, raw mills, material handling systems, mining equipment, and reliability-focused maintenance.

CORE COMPETENCIES (Cement & Mining-Relevant)

- Heavy Earth Moving Machinery (HEMM)
 - Hydraulics & Power Transmission Systems
 - Diesel Engine Assembly & Overhauling
 - Preventive & Breakdown Maintenance
 - Root Cause Failure Analysis (RCFA)
 - SAP (Service, Inventory, Spares)
 - Shutdown & Site Maintenance Planning
 - Spares Estimation & Inventory Control
 - Vendor Coordination & Procurement
 - Safety, Compliance & Documentation
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PROFESSIONAL EXPERIENCE

Service Engineer

Larsen & Toubro Limited – Construction & Mining Machinery

Kanchipuram / Chennai, India

September 2012 – March 2017

- Maintained and overhauled **excavators, mining and material handling equipment** used in large infrastructure and mining operations—skills directly transferable to cement plant mining and crusher operations.
- Specialized in **hydraulic systems, transmissions, and diesel engine assembly**, including complete teardown, inspection, repair, and reassembly.
- Handled the **end-to-end service lifecycle**: receiving failed components → technical assessment → cost estimation → spares procurement → inventory management → assembly → testing → dispatch.
- Acted as **Site In-Charge for excavator machinery** at one of the **world's largest irrigation projects (Telangana)**, managing uptime, maintenance schedules, and coordination with project stakeholders.
- Consistently **maintained machine availability of ~20+ operating hours per day** through proactive preventive maintenance, rapid breakdown response, and efficient spares planning, ensuring uninterrupted project progress.
- Performed **breakdown diagnostics and root-cause analysis**, reducing repeat failures and improving equipment availability.
- Used **SAP (HANA environment)** for service orders, material movement, spares tracking, and service documentation.
- Coordinated logistics, service teams, and vendors to ensure minimal downtime and adherence to safety standards.

Key Achievement:

 **Awarded by the CEO & President of Komatsu** for significant contribution to service-center efficiency, process improvement, and operational excellence.

EDUCATION

- Diploma in Electrical and Electronics Engineering | May 2010 – May 2012
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ADDITIONAL TECHNICAL TRAINING (*Value-add for Plant Digitization & Reliability*)

- Advanced Python for Data Science – IIM Madras (Sep 2023 – Dec 2023)

- **Advanced Professional Program in Master Data Science – IIT Madras (GUVI) (May 2024 – Sept 2023)**

Exposure to data analysis, dashboards, and predictive concepts useful for condition monitoring, maintenance analytics, and plant optimization.

Credential Id : <https://www.guvi.in/share-certificate/4N10712pv416Cz8m30>

TECHNICAL SKILLS

- **Mechanical Systems:** Hydraulics, Engines, Transmission, HEMM
 - **Plant & Maintenance Tools:** SAP, Service Documentation, Estimation
 - **Data & Digital Skills:** Python, MySQL, MongoDB, Maintenance Dashboards
 - **Office Tools:** MS Excel, Word, PowerPoint
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CERTIFICATIONS & COURSES

- Diploma in MySQL & Statistics for Data Analysis
 - Python for Data Science (Basic to Advanced)
 - Pandas Library – Data Handling & Analysis
 - MongoDB CRUD & Aggregations
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LANGUAGES

- **Kannada:** Native **Telugu:** , Native **English:** Highly Proficient, **Hindi:** Very Good
Tamil: Working Knowledge
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ROLE FIT FOR CEMENT INDUSTRY

- ✓ Mining & Limestone Operations Engineer
 - ✓ Mechanical Maintenance Engineer (Plant / Mines)
 - ✓ Crusher & Material Handling Maintenance
 - ✓ Heavy Equipment / HEMM Engineer
 - ✓ Reliability & Preventive Maintenance Engineer
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Ready to contribute hands-on technical expertise and operational discipline to cement manufacturing and mining operations.