

Rahul Jha

Rotary Kiln engineer



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PROFILE

Dynamic Mechanical Engineer with 4+ years of expertise in **kiln alignment , maintenance, and AI-driven industrial processes**. Proven ability to optimize **kiln performance, improve operational efficiency, and integrate advanced technologies** like **AI and Python-based analytics** for predictive maintenance. Strong problem-solving skills, adaptability, and commitment to **Industry 4.0 innovations**.

SKILLS

- Erection, Commissioning, Hot & Cold Alignment
- 3D Graphical Data Analysis (Thermal, Profile & Vibration Data)
- Predictive Maintenance & Tyre, Roller Resurfacing
- AI & ML (Python: NumPy, Pandas, Matplotlib, Seaborn).SolidWorks, MS Office
- Operation of Advanced Tools: Auto Level, Total Station, Roto-Dia, Shell Ovality Sensor, Disto Meter
- Preparation of Comprehensive Technical Reports

PROFESSIONAL EXPERIENCE

Allan Smith Engineering Pvt. Ltd

Engineer

08/2023 – present | thane, Mumbai

- Executed **hot & cold kiln alignments** to optimize efficiency and extend operational life.
- Conducted **shell profiling, girth gear alignment, deflection correction**, and comprehensive kiln performance assessments.
- Implemented **predictive maintenance** using Python-based data analysis.
- Utilized advanced measurement tools such as **laser sensors, PDI, Auto Level, and Total Stations**.

MPIL, JSW Dolvi

Project engineer

07/2021 – 06/2023

Led **assembly and erection of steel structures** ensuring safety compliance

PROJECTS

Shell profile 3D analysis

Capturing and analyzing kiln shell deformation using 3D graphical data.

ML Model for Predicting Equipment Failure

Developed machine learning model for early fault detection in rotary equipment.

Plan & Elevation view setup

Layout preparation for equipment installation

Kiln slope correction & alignment

Optimizing kiln slope and axis alignment for efficient and smooth operation and floating.

EDUCATION

B.Tech in Mechanical Engineering

Rajasthan Technical University

2016 – 2020 | Jaipur, Rajasthan

Intermediate (PCM)

Ram Janki College (BSEB)

2014 – 2016 | Basopatti, Bihar

LANGUAGES

Hindi



English

