Mogahed Bashir Ahmed Mohammed
Mechanical Engineer

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Portfolio: https://mechanical-ai-monitor-pnmzwcurylxwwxzl6aznkn.streamlit.app/

Professional Summary
Mechanical Engineer with experience in maintenance, production operations, and industrial safety.
Strong background in AI-powered predictive maintenance, mechanical diagnostics, and equipment reliability.
Seeking opportunities in Saudi Arabia's industrial sector.

Core Skills
Mechanical Engineering, Heavy & Light Machinery Maintenance, HVAC Systems, Fire Alarm & Fire Fighting Systems,
AI Predictive Maintenance, Python, Computer Vision, Project Management, OH&S;, ISO 22301

Engineering Project
AI-Powered Mechanical Monitoring Platform
- Vibration analysis based on ISO 10816
- Crack detection using Computer Vision
- Automated PDF technical reporting

Professional Experience
Maintenance Engineer – Sea Ports Co. Ltd (2015–2016)
Teaching Assistant – Red Sea University (2016)
Production Engineer – Wedian Mining (2015)

Education
Postgraduate Diploma – Red Sea University (2020)
BSc Mechanical Engineering – Sudan University of Science and Technology (2015)

Certifications
Registered Engineer – Sudan Engineering Council
OH&S; Management – Saudi Council of Engineers
Logistics & Freight Forwarding – Saudi Council of Engineers