

SANI ZAHARADEEN

Metallurgical and Materials Engineer

Contact Information

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- Home Address: Sabon Garin Badon Uku Uku, Sokoto, Nigeria.

Professional Summary

Highly motivated and analytical Metallurgical and Materials Engineering graduate with a strong foundation in material science, process optimization, and problem-solving. Proficient in leveraging advanced tools including Microsoft Excel, PowerPoint, and AI/Machine Learning for data analysis, operational efficiency, and strategic decision-making. Experienced in mechanical maintenance, emergency response, and failure analysis, with proven ability to reduce downtime and enhance operational continuity. Eager to apply technical expertise and a proactive approach to contribute to a dynamic engineering environment.

Skills

- Technical Proficiency
 - Data Analysis & Reporting: Advanced Excel (pivot tables, VLOOKUP, data visualization), PowerPoint presentations
 - AI & Machine Learning: Python for data analysis, completed MTT Program in AI & ML
 - Software: SolidWorks, Microsoft Office Suite, Visual Studio Code, Builder.io
- Analytical & Problem-Solving
 - Failure Analysis, Process Optimization, Risk Assessment, Data Interpretation
- Safety & Compliance
 - Knowledge of industrial safety standards and regulatory compliance
- Languages
 - English (Fluent)
 - Hausa (Conversational)

Professional Experience

- Industrial Trainee – Mechanical Maintenance | BUA Cement, Sokoto Plant | 2018
 - Managed routine and preventive maintenance on mills and auxiliary equipment, improving operational efficiency.
 - Performed failure analysis and developed proactive maintenance strategies to reduce downtime.
 - Utilized HMI systems for rotary packer maintenance and supported kiln operations.
- NYSC Intern – Mechanical Maintenance | BUA Cement, Sokoto Plant | 2024
 - Conducted daily maintenance and equipment repairs to ensure operational continuity.
 - Supported kiln cooling zone maintenance.
 - Contributed to an undergraduate project on fuel comparison in cement manufacturing, demonstrating research and data interpretation skills.
- Emergency Vanguard (EMV) | National Emergency Management Agency (NEMA), Nigeria | 2024
 - Actively participated in emergency response operations and safety awareness programs.
 - Demonstrated effective teamwork and communication under critical conditions.

Education

- B.Eng in Metallurgical and Materials Engineering | Ahmadu Bello University, Zaria | 2014–2023
- Senior Secondary School Certificate | Federal Government College, Sokoto | 2009–2013
- First School Leaving Certificate | Command Children School, Sokoto | 2002–2007

Certifications & Professional Development

- NYSC Certificate – 2025 (January)
- Student Industrial Training | BUA Cement Company, Sokoto – 2018
- Industrial Training (NYSC) | BUA Cement Company, Sokoto – 2024
- Emergency Response Training | NEMA – 2024

References

- Engr. Nami Bawa Sodangi | BUA Cement Company, Sokoto | 070-300-71517
- Malama Zulihatu Sani | State Universal Education Board, Sokoto | 070-627-786904
- Dahiru Kure | PRO, NEMA, Sokoto Operation Office | 091-309-51910