

# SHITTU AKINREMI KENNETH

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65 Century Cir,  
Greenville, SC,  
29607

## Education

**University of Virginia**, Charlottesville, VA  
ME. Mechanical Engineering and Aerospace Engineering

**August 2021 – December 2022**

**Landmark University**, Kwara State, Nigeria  
Bachelor of Engineering: Mechanical Engineering

**March 2011-July 2015**

## Skills

Experienced in the use of Engineering software:

- MATLAB
- Python
- LS-Prepost
- Ansys
- Inventor Professional Studio
- Microsoft Excel
- AutoCAD
- Solid works
- Revit.

## Personal Traits

Excellent reputation for resolving problems. Eager to contribute to team success through hard work, attention to details, and excellent organizational skills. A clear understanding of tasks and training in Skills. Motivated to learn, grow, and excel in Engineering.

## Experiences

**Amazon Web Service, Inc.**  
Jan 100, Canton MS  
Engineering Ops Technician (Data Center Engg Ops:DCEO)

**September 2024 – Present**

- Data Center Technician

**Royal Appliance Manufacturing Company dba TTI Floor Care North America**  
8405 IBM Drive, Charlotte NC  
Engineering co-op (Intern)

**May 2022 – August 2022**

- Design, prototyping and testing of supporting proof-of-concept validation of new technologies into floorcare products.

**University of Virginia**, Charlottesville, VA  
Graduate Research/Teaching Assistant

**August 2021 – December 2022**

- Research: Simulation and Modelling of turbine using Solidworks and Laser cutting machine.
- Teaching assistant for Computational methods using MATLAB(MAE)
- Applied fair grading practices consistently to evaluate students' work and assign letter or number values.
- Mentored students through office hours and one-on-one communication.

## Mechanical Engineer

**August 2020 - June 2021**

*Lekki Gardens, Abuja, Nigeria*

- Attended project planning meetings to coordinate mechanical system designs with structural and architecture teams, mitigate design conflicts, and coordinate delivery timelines.
- Completed mechanical designs for HVAC, air control, fire protection and elevators using Revit & AutoCAD while providing SME input to client and design teams.
- Reviewed and checked technical drawings by architectural technicians, CAD technicians and drafters.
- Supported production cost quotations by providing estimates of equipment, material, and labor costs.
- Covering over 8 different construction sites

## Maintenance Engineer

**Sept. 2018 – Jan 2019**

*Biotech Solutions Co. Ltd, Lagos, Nigeria*

- Design and maintenance of sewage & water treatment plant
- Developed process improvements to increase reliability and equipment performance.
- Performed troubleshooting and repair for complex electrical & Mechanical equipment.
- Weekly routine maintenance of over 10 residential and 8 commercial locations where our sewage & water treatment plants are installed

## **Landmark University**

**March 2011-July 2015**

Kwara State, Nigeria

- Topic: Experimental Study of fuel impact on Internal combustion Engine Performance Characteristics
- Recommendations: -This test should be carried out in a multi-cylinder spark ignition Engines Sources of fuel samples should be investigated
- Fuel Octane rating should be reviewed because using higher octane rating than one specified by engine manufacturers will not increase engine performance but increase cost, using low octane rating will only save cost but increase poor engine performance.

## **Projects**

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### **List of projects carried out with Biotech Solutions**

- Installation and maintenance of a Submerged Aerated Filter (SAF Sewage treatment plant) with 12m<sup>3</sup> capacity per day. Location: OVH Energy Marketing Apapa Lagos Nigeria.
- Installation and maintenance of a Moving Bed Biofilm reactor (MBBR Sewage treatment plant) with 60m<sup>3</sup> capacity per day. Location: Heirs Park Residence, Lagos Nigeria
- Installation of an Activated sludge plant with 8m<sup>3</sup> capacity per day. Location C94 Residential development, Nicon town, Lagos Nigeria.
- Maintenance of a Klagester sewage treatment plant
- Installation of water treatment plants and Reverse Osmosis water treatment plants.

### **List of projects carried out in FEA and Fluid flow simulation**

- Design & assemble of an obstacle avoiding robot using Solidworks.
- Finite element analysis of a beam using three different quadrilateral mesh with increasing resolutions. Using MATLAB & Ansys.
- Deformation and Stress analysis of a Cantilever bridge
- Thermal Analysis of a Pin-Fin. Determination of temperature distribution along the length of a Pin-fin (Convective heat transfer) using Solidworks
- Flow Simulation Heat transfer in a pipe with different thermodynamics properties at different point of the model

### **Relevant Course Work**

- Fluid Mechanics
- Thermomechanics
- Gas Dynamics
- Finite Element Analysis
- Microscale Heat transfer
- Statistic Engineers & Scientist

### **References**

- Tammy Singleton (DCEO Facility Manager), tamysing@amazon.com
- Mathew B Panzer (Faculty Director University of Virginia)  
mbp2q@virginia.edu, +1(434)2978062
- Luke Renfro(DCEO L4), jlrenfro@amazon.com +1(662) 3158560