

OVWIGHOSUOTU DARLINGTON

Smartician Lab | DIY Tech Creator . Mechanical Engineering Student . STEM Educator

hello@smarticianlab.com . Delta State, Nigeria . tiktok.com/@smartician . youtube.com/@smartician0

PROFILE

Mechanical Engineering student, inventor and DIY tech creator building an audience of 2.2M+ across TikTok, Instagram and Facebook. I turn everyday materials - cardboard, salvaged motors, microcontrollers - into working machines, then break down the engineering behind them for a global student audience. 120M+ Instagram views, 4.6M+ TikTok likes and 100,000+ students inspired to date.

REACH & IMPACT

2.2M+

Followers across platforms

19+

Engineering builds published

120M+

Instagram views

100,000+

Students inspired

4.6M+

TikTok likes

5

Top audience countries

Top audience geographies: United States, Nigeria, India, United Kingdom, South Africa.

EXPERIENCE

Founder & Creator - Smartician Lab

2021 - Present

- Design, build, film and publish DIY engineering projects: cardboard washing machine, working ATM model, Bluetooth speaker, electric blender, VR headset, RC cars, power bank and more.
- Grew a 2.2M+ multi-platform following and 120M+ views with a repeatable build-teach-release content system.
- Translate mechanical and electronics concepts - torque, gear ratios, circuit design, power management - into short-form lessons for students with no lab access.

STEM Educator & Workshop Facilitator

2022 - Present

- Deliver hands-on STEM workshops and engineering demonstrations for schools and youth programmes across Delta State and online.
- Publish step-by-step build guides and materials lists so students can replicate projects at low cost.

Brand Partnerships & Sponsored Content

2022 - Present

- Partner with technology, tooling and education brands on sponsored builds, product reviews and campaign content with measurable reach.
- Handle concept, scripting, filming, editing and distribution end to end.

SELECTED PROJECTS

DIY Cardboard Washing Machine

Twin-tub wash and spin cycles driven by geared DC motors, with a push-button control panel and a gravity drain.

DIY ATM Machine

Cardboard ATM with keypad input, servo-actuated cash dispenser and an Arduino-driven PIN and balance flow.

DIY VR Headset

Bi-convex lens headset with adjustable interpupillary spacing and a phone cradle for stereoscopic content.

DIY Electric Blender

High-RPM brushed motor, coupled stainless blade assembly and a sealed jar built from recovered parts.

DIY Bluetooth Speaker

Ported enclosure with a Bluetooth amplifier module, dual drivers, passive radiator and lithium power stage.

DIY RC Cars / Cyber Truck

Faceted panel bodywork over a differential drive chassis with proportional radio control and a Li-ion pack.

TECHNICAL SKILLS

DIY Electronics . Mechanical Engineering . Robotics . Arduino & Embedded C . Product Design . CAD Design . 3D Printing . Cardboard Engineering . Prototyping . Power & Battery Systems . Creative Problem Solving

CREATIVE & EDUCATION

STEM Education . Curriculum & Lesson Design . Content Creation . Video Production & Editing . Short-form Storytelling . Public Speaking . Workshop Facilitation . Brand Collaboration

AVAILABLE FOR

STEM workshops . DIY engineering tutorials . brand collaborations . sponsored product reviews . educational content creation . prototype development . public speaking . engineering demonstrations . social media promotions . custom DIY project design.

EDUCATION

B.Eng Mechanical Engineering (in progress)

Nigeria

Coursework across thermodynamics, mechanics of materials, machine design and manufacturing processes, applied directly to published builds.