

ABOSEDE PETER

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Drones, IOT, Automation and Artificial Intelligence.

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Federal University of Technology, Akure
(FUTA).
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EDUCATION

Bachelor in Engineering [B.ENGR]—Federal University of Technology Akure *November, 2015—December 12, 2019*

- Major: Mechanical engineering with elective in Aeronautical engineering
- Current Year: 5th/final Year (**Five years duration**)

Thesis : ‘Design and Development of a Quadcopter with a 3D printed frame’

Supervisor: **DR O.A DAHUNSI**

Design and construction projects:

- Construction of Electric motor stator based on simulation and testing using MATLAB
- Design and fabrication of small size Transformer based on desired voltage output
- Designed and programmed a web application to check the effectiveness of a heat exchanger using PHP, HTML5, CSS3 and Bootstrap 4.
- Designed and Developed an Internet of things (IOT) based fish rearing tank using Arduino mega, Nodemcu with Arduino software based packages.

West African Examination Council (WAEC)

May/June 2014

- Had Six distinctions (6) including mathematics out of eight(8) subjects

A-Levels

10/11/2014

- Sat for the American SAT with a score of 1380 (Old SAT)

Senior Secondary School

9/2008--7/18/2014

- Citadel International College, Ikare-Akoko (Student of Science and Mathematics)
- Graduated as top 3% out of (139 students)

TECHNICAL SKILLS

Programming languages

- PROFICIENT: Python, PHP
- INTERMEDIATE: Arduino, Node.js, linux

Machine Learning: Scikit learn, Pandas, Matplotlib, Linear regression model, Logistic regression model, Decision Tree Classifier, CNNs (Convolutional neural Networks).

Deep Learning: Keras API with Tensorflow, Edge AI with Tensorflow-Lite,

Web Programming:

- Web User interface (UI):HTML5, CSS3, BOOTSTRAP 4
- Scripting: JavaScript, JQuery, Python
- Backend: PHP 5.6, Python
- Framework: Flask, Django

Database: MYSQL DB

Hardware: Electronics and automation using Arduino Mega, Nodemcu, Raspberry pi and Arduino programming
(Learning Modbus Protocol, Arduino master modbus as slave)

Versioning-tool: Git, Github.

Engineering Design : SolidWorks and Simulation with Autodesk fusion

Currently Learning Kivy , a python GUI framework to build cross platform applications.

LANGUAGE SKILLS

Fluent: speaker and writer of **English** and **Yoruba** Language

Basic: Speaker and writer of **Japanese language** using Hiragana

RESEARCH AND AWARDS

Competition, Project Presentation and Accolades

Represented my secondary school in various competitions such as cowbell Mathematics, Science Teacher association of Nigeria (STAN), International Mathematics Olympiad (IMO) qualifiers to regional levels **Awarded with Certificate of Excellence in** mathematics by National Mathematics Center, Abuja Nigeria.

Represented the Federal university of technology, Akure Mechanical engineering department at the Nigerian institution of mechanical engineering chapter of Obafemi Awolowo University, Ife. **Third place overall at the competition.**
July 2017

Represented the university at national conference and project exhibition of the Nigerian Institution of Mechanical Engineers organized for engineering students in Nigeria and Ghana. **Second place overall after three screening stages.**
12/04/2018

Private and Secure Scholarship Challenge award from Facebook AI and Udacity *May ---June 2019*

Selected among the few in Nigeria to undergo training in Private AI, a remote learning process on Udacity

Council of Deans of Engineering (CODET) competition

July 25 & 1st August, 2019.

Represented the Federal university of Technology, Akure at the south west regional competition clinching first position, and then represented south west universities at the National level.

Intel Edge AI Scholarship from Intel Corporation and Udacity

August ---September, 2019

Won a scholarship from Intel to be trained on EdgeAI with Intel-Vino Toolkit through a remote learning process on Udacity.

Finalist Student Venture Prize

Qualified as part of the top 12 finalists from a pool of 3011 students application to attend a business training bootcamp in Calabar sponsored by African Plus Partner. The Bootcamp ended with a competitive innovation pitch to investors from African Plus Partner venture.(Venture Capitalist)

Media: <https://www.vanguardngr.com/2019/12/my-invention-will-reduce-fuel-price-to-n65-says-venture-prize-winner/>

<http://edugist.org/meet-the-finalists-of-the-first-student-venture-prize-in-nigeria/>

WORK EXPERIENCE

Internships

--Nigerian College of Aviation Technology, Zaria

02/07/2018—15/12/2018

I worked as an aircraft maintenance engineering intern with in west Africa's foremost center of excellence in aviation technology. Majored in airframe and powerplant, avionics and flight maintenance.

--Federal University of Technology, Akure Engineering labs and workshop

10/2016—12/2016

Engineering Boot Camp:

April 2nd—6th, 2018

The boot camp was held for selected Mechanical engineering students across Nigeria and Ghana, held in Lagos Nigeria. Certificate was issued after the programme.

Data science and Machine learning Boot Camp:

June 12th—16th, 2018

Data Science and machine learning boot camp with Covens Lab a division of Curators University. Ended with a Hackthon.

Software and Web Developer

11/2016—02/2018

Developer with Time systems international, Lagos. A Freelance web developer.

LEADERSHIP

Founder at REMOPOND:

<https://www.remopond.com>

July 2018—till date

Founded with three other individuals (Co-founder) Remo-Pond as the first indigenous Startup to build fish tanks managed with the Internet of Thing (IOT) and Automation in Nigeria.

Project Coordinator:

05/2017—April, 2018

- The MOTOR CLUB FUTA (Engineering club registered under the Nigerian institution of mechanical engineers)
- Coordinating over 400 members of this club.

Data science Community Member:

July 2018—till date

Coven labs a division of the Curators University dedicated to emerging technologies.

Others: Nigerian Institution of mechanical Engineers (NIMECHE), Nigerian Association of Engineering Student (NUESA), Institute of Research Engineers and Doctors (the IRED)

Secretarial Coordinator:

03/03/2019—03/02/2020

Secretariat Coordinator at the Deeper Life Campus Fellowship (DLCF), Federal University of Technology Chapter. Led the fellowship as the secretarial coordinator working with pastors and student leaders managing a population of over 750 members.

Administrative Officer:

25/08/2019—09/10/2020

Served as one time Short Term ministerial conference (Stream 2) held at the Deeper Life Camp Ground, Ipinsa Akure. Hosted over 800 people.

Volunteered:

17/02/2018—10/03/2018

T.N.G (The next generation) Africa. A non-profit organization and startup that focuses on helping the less privileged gain skills in Nigeria and across Africa. (Website: tngafrica.com)

Blogger: Writes on technology and aerospace. Address: abosedep.blogspot.com

Strength

Thoughtful, considerate, cautious, excessive desire, planning, schedule oriented, detailed, creative, innovating, researching, business oriented, independent, good at preventing problems

Weakness

At times obsessive, too cautious, moody at times, pessimistic, difficult to please, sometimes procrastinates, communication (prefer chats to calls), discontent with results at times

Interests:

Flying cars and Unmanned Aerial vehicles (UAVs)/ Drones, Internet of Things (IOT), Aerospace Engineering, Aircraft Maintenance, Automation, Machine Learning (**Computer vision and Reinforcement learning**), leadership and community building.