

# Umar Nuruddeen Sambo

Oral and written fluency in English & Hausa | Nigerian | C72 Ilelah Street Bauchi, Nigeria | +234 809 6243 102 | [sambonuruddeen@gmail.com](mailto:sambonuruddeen@gmail.com) | [www.linkedin.com/in/nuruddeen-umar-sambo/](https://www.linkedin.com/in/nuruddeen-umar-sambo/) | [github.com/sambonuruddeen](https://github.com/sambonuruddeen)

## EDUCATION

---

<b>Udacity Inc.</b> <i>Programming for Data Science with Python Nanodegree</i>	California, United States Feb. 2021 — Apr. 2021
<b>Coursera Inc.</b> <i>Machine Learning with TensorFlow on Google Cloud Platform Specialization</i>	California, United States Nov. 2019 — Jan. 2020
<b>Abubakar Tafawa Balewa University</b> <i>Bachelor of Agricultural Technology</i>	Bauchi, Nigeria Feb. 2013 — Apr. 2018

## EMPLOYMENT

---

<b>Developer</b> <i>Horizon IT Services</i>	Jan. 2019 – Present Bauchi, Nigeria
<ul style="list-style-type: none"><li>Machine Learning Engineer dealing with Data Engineering and Deployment</li><li>Analyzed requirements and designed, developed and implemented software applications</li><li>Tested programs and databases to identify issues and make necessary modifications</li><li>Oversaw Internship Program by reviewing averagely 50 applications; interviewed and selected applicants; managed and organized 10 interns every 6 months</li></ul>	
<b>Graduate Attaché</b> <i>Federal University Kashere</i>	July 2018 – July 2019 Gombe, Nigeria
<ul style="list-style-type: none"><li>Assisted faculty with IT support and other general office duties</li><li>Trained and supervised over 20 students in the University Teaching and Research Farm</li><li>Successfully collected and analyzed about 350 production records in the university farm</li></ul>	
<b>Programmer</b> <i>Prof. Iya Abubakar Community Resource Center</i>	Aug. 2014 — Apr. 2016 Bauchi, Nigeria
<ul style="list-style-type: none"><li>Designed and developed a students' management system for the center</li><li>Analyzed and designed 8 relational databases for different organizations using MySQL</li><li>Debugged, stress-tested code to validate changes and modified different software components</li><li>Taught Diploma in web design course to over 100 students with great feedback from the students as well as the center</li></ul>	

## RECOGNITIONS

---

- Google Africa Developer Training Program Certificate of Completion, Google Cloud 2021
- Deeplearning.ai certificate for contributing in building the global Pie & AI community 2021
- Runmila AI Institute Internship Program, 2020

## ACTIVITIES

---

<b>TensorFlow User Group</b> <i>Community</i>	Jan. 2019 – Present Bauchi, Nigeria
<ul style="list-style-type: none"><li>Organized and facilitated tutorials, give talks and mentorship sessions to developers in Bauchi who are interested in TensorFlow and Machine Learning</li><li>Facilitated hackathons and technopreneurship sessions to over 100 developers</li></ul>	
<b>Open Source Community Africa (OSCA)</b> <i>Community</i>	Apr. 2021 – Present Bauchi, Nigeria
<ul style="list-style-type: none"><li>As a Chapter Lead, I organize meetups on the importance of open source and how to get involved in the open-source movement</li><li>Facilitated classes where topics like version control, basics of Git and Platforms like Github and Gitlab were taught</li></ul>	

## Andela Learning Community

Jan. 2021 – Present

### Mentor

- Served as a Training Mentor in the ALC x Microsoft Skillslab All Nigeria Program

## Google Developers Group (GDG Gusau)

Dec. 2019 – Jan. 2021

### Community

Gusau, Nigeria

- Organized and facilitated tutorials to developers in Gusau who are interested in Google developer products
- Provided an enabling platform for developers, technopreneurs as well as tech enthusiasts to learn, connect and grow together

## Nigerian Red Cross Society

Jul. 2018 – Jun. 2019

### Volunteer

Gombe, Nigeria

- Provided First Aid at NYSC Camp Gombe, 2018
- Helped organised and participated in campaigns about NRC
- I learned about community development activities

## MEMBERSHIPS

---

- TensorFlow User Group Bauchi  
Co-lead
- DeepLearning.ai  
Ambassador
- Code Villa  
Co-founder
- Black in AI  
Member
- TensorFlow.js Special Interest Group  
Member
- Mechanism Design for Social Good (MD4SG)  
Member
- Nigerian Institute of Animal Science  
Member

## PROJECTS

---

### Makerere University AI Lab | [Cassava Leaf Disease Classification](#)

January 2021

- \* I explored medical image diagnosis by building the state-of-the-art cassava leaf diseases classifier using Keras
- \* I pre-processed and prepared the leaf diseases dataset using TFRecords
- \* Used transfer learning to retrain a MobileNetV2 model with TPU on the dataset
- \* Measured diagnostic performance by computing the AUC (Area Under the Curve) for the ROC

### Biomedical Imaging with Deep Learning | [Chest X-Ray Medical Diagnosis](#)

December 2020

- \* I trained a NN that automatically detects COVID-19 from chest X-Ray images
- \* I pre-processed and prepared a real-world X-ray dataset)
- \* I built 7 a layer CNN from scratch using Tensorflow with Keras API with **75 percent accuracy**
- \* Measured diagnostic performance by computing the AUC (Area Under the Curve) for the ROC

## TECHNICAL SKILLS

---

**Languages:** Python, SQL, PHP, HTML, Javascript, R

**Frameworks:** Scikit-Learn, TensorFlow, Laravel, Flask

**Developer Tools:** Git/GitHub, Linux, Google Cloud Platform (GCP), Docker, Microsoft Azure, Amazon SageMaker, Digital Ocean

## HOBBIES

---

Googling, watching documentaries.