



# SALIU IBRAHIM SHEHU

DATA  
ANALYST  
&  
MACHINE  
LEARNING  
SPECIALIST

LINKEDIN

GITHUB

## LANGUAGES

- English - Native
- Finnish - Novice

## ACHIEVEMENTS

- Introduction to the Internet of Things, CODE IOT (May 2020).
- One-Variable Statistics, SMARTLY (May 2019).
- Marketing Fundamentals, SMARTLY (May 2019).
- Microeconomics 1: Supply and Demand, SMARTLY (May 2019).
- Accounting 1: Fundamentals, SMARTLY (April 2019).
- Finance: Time Value of Money, SMARTLY (April 2019).

## PROFILE

Saliu is a multitasking IT professional whose capabilities include Data Analysis, Machine Learning, Web Development, Cloud Computing, and Networking. He has accumulated hands-on work in all of these areas as a result of pursuing four university-level degrees and throughout his work history. In his immediate future, Saliu is eager to utilize his diverse expertise to support agile teams in overcoming their day-to-day challenges and growing their IT Operations.

## RECENT PROJECTS

### Face Mask Detector

NumPy, Scikit-image, OpenCV-Python, Streamlit, Docker, TensorFlow, Matplotlib

An application developed in collaboration with other Machine Learning Engineers with the main purpose to detect face masks with image recognition.

### Fertility Diagnosis

Scikit-learn, Pandas, Numpy, Seaborn, Matplotlib

An individual effort to demonstrate the proficiency with relevant technologies.

### a\_cifar10\_cnn

TensorFlow, Keras, Pandas, Numpy, Matplotlib

A sample neural network built individually.

### NYC Parking Tickets

Dask, Cufflinks, Plotly, Pandas, Numpy, Seaborn, Matplotlib

A group effort in solving a challenge from Kaggle to benchmark relevant technical abilities and teamwork skills.

### IoT-Smart Grid Nexus

C, Python

This project constitutes the Master's thesis work at Tampere University of Applied Sciences (TAMK). The main findings highlighted the similarity and complementary features between IoT networks and Smart Grid networks. Additionally, the project proposed a demonstrated design that enables home energy consumers to access, monitor, and manage their consumption via a smartphone.

### Bluetooth Chat App

Android, Java, XML

This was an assignment to develop a native Android app at TAMK. This app helped to provide essential communications such as text messages, among individuals in groups such as PAN and NAP without any extra fees including the Internet.

## SKILLS

**Programming Languages:** C, Java, JavaScript, Matlab, PHP, PROLOG, Python, R.

**Data Analysis:** Dask, NumPy, Pandas, SciPy.

**Data Visualization:** Folium, Matplotlib, Plotly, Seaborn.

**Database Management:** PostgreSQL, MySQL, SQLite.

**Machine Learning:** Keras, Scikit-learn, Streamlit, TensorFlow.

**DevOps / Cloud Services:** AWS, Docker, Microsoft Azure.

**Other:** Android, Angular, CSS, HTML, MatLab, Microsoft Office Suite, XML.

## EXPERIENCE

### Data Analyst & Machine Learning Specialist

Integrify | Helsinki, Finland | October 2020 - Present

- Demonstrated advanced proficiency in programming with Python and Object-Oriented Programming.
- Performed Data Analysis and Data Visualization on diverse and complex datasets.
- Worked with APIs and performed Web Scraping to create new datasets.
- Managed databases with SQL and PostgreSQL.
- Developed Machine Learning applications with supervised, semi-supervised, and unsupervised algorithms, and dived into Deep Learning and Computer Vision.
- Handled Continuous Integration and Continuous Deployment (CI/CD) of Machine Learning Models with GitHub Actions and Docker.
- Built web-based applications with Python and Streamlit to host Machine Learning models.

### Computer Network and Telecoms Expert

NTTS | Victoria Island, Lagos, Nigeria | February 2009 - May 2013

- Initiated remote access for quicker access and faster fault resolution, resulting in over 30% savings in total call ticketing expense in six months.
- Spearheaded a team of 4 and coordinated their training that allowed the company to save 80% of the training cost in less than a year.
- Designed support for LAN, WAN, and wireless infrastructures for seamless computer and intercoms/telecoms systems communications.
- Installed and configured intercommunication systems mostly in financial institutions for increased productivity.
- Developed effective and pragmatic customer relationships, which significantly increased the overall customer satisfaction and loyalty.

## EDUCATION

### B.Sc. in Computer Science

University of the People | Pasadena, California, United States | September 2011 - Present (remote learning)

### M.Sc. in Information Technology

Tampere University of Applied Sciences | Tampere, Finland | January 2017 - December 2019

### M.Sc. in Environmental Technology

Lappeenranta University of Technology | Lappeenranta, Finland | September 2014 - October 2017

### B.Sc. in Electrical & Electronics Engineering

University of Lagos | Akoka, Lagos, Nigeria | October 2001 - January 2008