



AFRICA DATA SCHOOL



**Become a data
scientist**

About

Africa Data school



We develop advanced programs in science, technology and engineering that enables talented students in Africa to become builders, inventor and innovators of the future.

AFRICA DATA SCHOOL STRUCTURE



ADS TRAINING CENTRE (Learn by doing)

Offer courses focusing on future tech innovations. Working with industry experts and companies.



ADS R&D LABS (Explore)

Research and development lab



ADS STARTUP STUDIO (Build)

Startup studio that designs, builds, and launches startups.

Where Our Graduates Work



The co-operative bank



Available in 20+ countries today,
with many more coming soon



Program Highlights

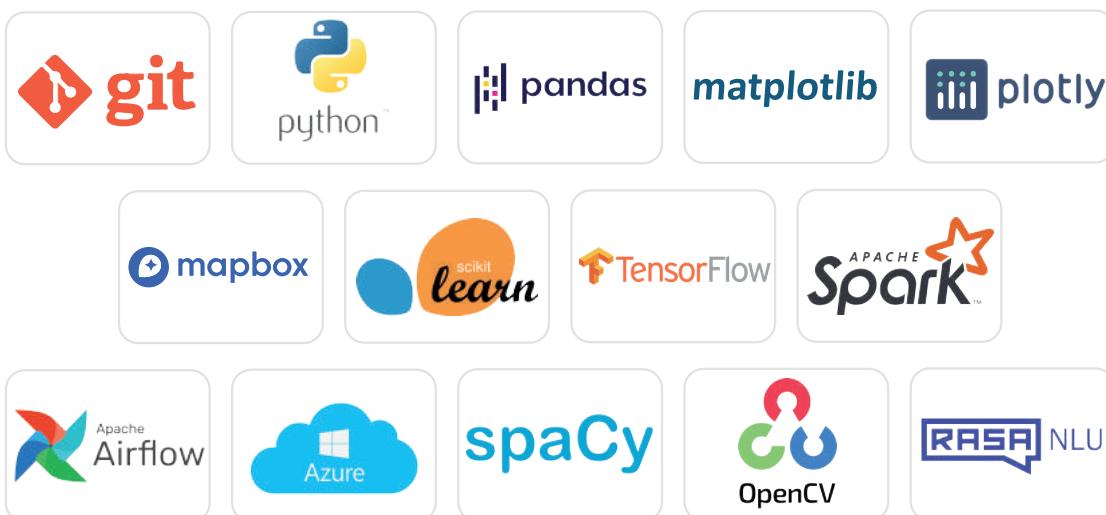
Data Science Program Details



Highlights

- ▶ 12 week Training Sessions
- ▶ Microsoft exams
- ▶ Access Microsoft Azure credits
- ▶ Linkedin.com premium account vouchers
- ▶ Capstone Project (Build AI driven applications)
- ▶ 60 hours of live sessions
- ▶ 70 hours of learning content (videos)
- ▶ Mentorship by Industry expert
- ▶ 10 Industry project
- ▶ Career assistance
- ▶ 24× 7 Learning support

Tools



Program Details

Who is this program for?

- ▶ Individuals looking to kickstart their career in data science
- ▶ Working professionals looking for career transition into data science
- ▶ Data Scientists and ML engineers in the industry looking to up skill

Student outcomes



Data Analyst



Data Scientist



Machine Learning
Engineer



AI Engineer



Computer Vision
Engineer



NLP Engineer



Data Analytics
Consultant

Eligibility & Program Fee

Eligibility

- Have basic computer skills
- Must have completed high school
- Be passionate about artificial intelligence

Program Fee

- Online classes USD \$350 Kshs(35000)

Payments



Program Syllabus

AFRICA DATA SCHOOL X MICROSOFT CURRICULUM

| Date | Topic | Real Industry Challenges |
|---------|--|--|
| Week 1 | Introduction ADS Platform & GIT Telecom churn analysis Python | Hands-on experience project |
| Week 2 | Data Analysis Numpy Database & SQL Pandas Sales Analysis | Hands-on experience project |
| Week 3 | Data visualization Matplotlib Seaborn Retail Analysis | Hands-on experience project |
| Week 4 | Advanced Data Visualizations Plotly Mapbox Streamlit | |
| Week 5 | Dashboard & ML Dash Real-Time Crypto Analysis App Machine Learning Pipeline introduction | Hands-on experience project |
| Week 6 | Machine Learning Pipeline Exploratory data analysis(EDA) Data preparation Feature engineering | |
| Week 7 | Machine Learning Pipeline Feature selection Scikit-learn Regression in Machine Learning | |
| Week 8 | Machine learning Classification In Machine Learning Clustering – Unsupervised Learning Customer Segmentation | Hands-on experience project |
| Week 9 | Neural network & Deep learning Artificial neuron network Convolutional neural network (Malaria screener) Recurrent neural network (Sales forecasting) | Hands-on experience project Hands-on experience project |
| Week 10 | Introduction to Natural Language Processing NLP Basic(Spacy & NLTK) Natural Language Processing(Text summarizer) Final Project Guidelines | Hands-on experience project |
| Week 11 | Deployment & Intro Big data Processing API ML app (Streamlit or Flask) Big-data analytics | Hands-on experience project Hands-on experience project |
| Week 12 | Microsoft Azure Platform Big data analytics Azure project Microsoft (AZ900) Microsoft (AI Engineer) | Hands-on experience project |

Evaluation



The evaluation system is designed to test the student's progress systematically, through internal assignments as well as Microsoft exams & Final Project .

Continuous Evaluation

Certificates shall be issued upon successful completion of Microsoft Learning and Certification

Challenge: AI Engineer Curriculum

- ▶ Microsoft Certified: Azure AI Engineer Associate
- ▶ Microsoft Certified Azure Fundamentals

Final project

Certificates shall be issued upon successful completion of your final project

- ▶ Certificate in Data Science and Machine learning (ADS)



Partners and contact



Partners



Microsoft

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