Data Breed Africa

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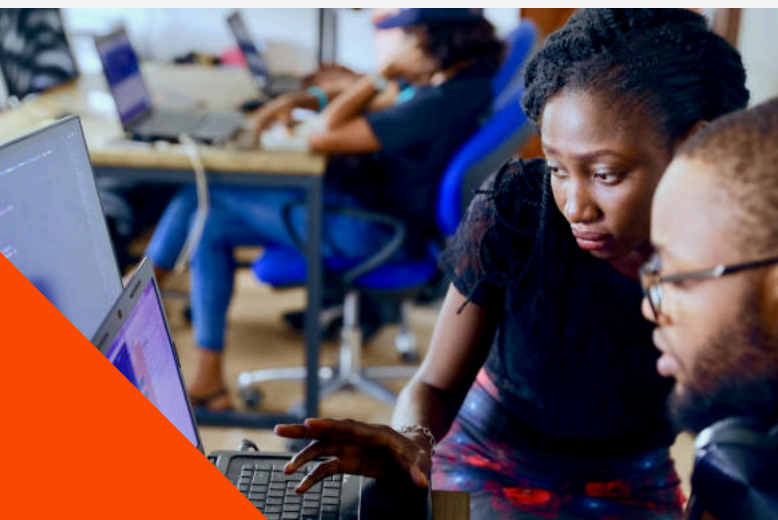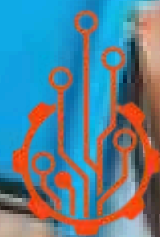Kilimani, Nairobi

@DataBreedAfrica

Cybersecurity
Bootcamp

Secure Systems, Build Your Career, Defend the Digital Frontier

Course Overview

Introduction To Data Science (8 Weeks)

This intensive, hands-on program covers the fundamental principles and advanced practices of offensive and defensive cybersecurity. You'll train on the same tools and techniques used by our security team to protect client infrastructure.

Why Learn with Data Breed Africa?

Participate in immersive cyber ranges and Capture The Flag (CTF) competitions that replicate real-world attack scenarios. Learn from certified cybersecurity professionals who are actively defending our clients and managing security operations.

Entry Requirements

A logical mindset and problem-solving aptitude. Basic computer literacy is essential. Prior IT experience is beneficial but not required.

Who is this course designed for?

Aspiring Technologists, IT Professionals, Career-Changers, and Problem-Solvers who want to learn in-demand cybersecurity skills to protect organizations from digital threats and build a resilient career.

Anticipated Learning Outcomes

Upon completion, you will be able to:

- Conduct vulnerability assessments and penetration tests.
- Configure and monitor firewalls, IDS/IPS, and other security tools.
- Analyze and respond to security incidents and network intrusions.
- Implement security policies and harden systems against attacks.
- Build a portfolio of security assessments and reports.

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Course/Program Structure

Phase 1: Foundations & Defensive Security (Weeks 1-8)
- Weeks 1-3: Networking Fundamentals & Linux for Security.
- Weeks 4-5: System Administration & Hardening (Windows/Linux).
- Weeks 6-8: Defensive Security Principles, SIEM, and Log Analysis.

Phase 2: Offensive Security & Threats (Weeks 9-16)
- Weeks 9-11: Ethical Hacking & Penetration Testing Methodology.
- Weeks 12-13: Web Application Security & Vulnerability Assessment.
- Weeks 14-16: Network Attacks, Social Engineering, and Threat Modeling.
- Week 12: Health Break & Mid-Program CTF Challenge

Phase 3: Advanced Operations & Capstone (Weeks 17-25)
- Weeks 17-19: Digital Forensics & Incident Response (DFIR).
- Weeks 20-22: Cloud Security & Security Policy Development.
- Weeks 23-25: Capstone Project: Full-Scale Security Audit & Portfolio Building.

Hybrid (In-person / Remote Live)

KES 125,000
Payment Plans available

Full-Time: 24 Weeks (8:00am – 5:00pm) | Part-Time: 24 Weeks (6:00pm – 9:00pm)

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FAQs – What You Need to Know

Q: Do I need to be a programming expert?
A: Not at all. While scripting (e.g., Python, Bash) is a valuable skill for automation, the core of cybersecurity is understanding how systems work, how they break, and how to defend them. We will introduce the necessary scripting skills throughout the course.

Q: What tools and technologies will I learn?
A: You will gain hands-on experience with industry-standard tools like Wireshark, Nmap, Metasploit, Burp Suite, Nessus, Splunk, and more in our dedicated virtual lab environment.

How Data Breed Africa Delivers This Program

- Hands-on labs in a safe, controlled cyber range environment.
- Capture The Flag (CTF) competitions and red team/blue team exercises.
- Toolkit and virtual machine setup with all necessary software.
- Career guidance, resume workshops, and interview preparation.
- Access to our community of security professionals and alumni.

Do I Need a Background in IT?

A background is helpful, but not mandatory. We start with the fundamentals to ensure every student builds a strong foundation. Your problem-solving mindset and willingness to learn are the most important assets.

The Jobs This Course Prepares You For

Security Analyst, SOC Analyst, Vulnerability Analyst, Penetration Tester (Junior), IT Auditor, Network Security Specialist.
Orientation and Onboarding
Lab environment setup and introduction to the cybersecurity mindset. Overview of the cyber threat landscape and industry ethics.

What Our Graduates Say

"The practical labs and CTF challenges were incredible. I went from knowing nothing about networks to landing a SOC Analyst role within two months of finishing the bootcamp. The hands-on experience was everything." - Mark T., Security Operations Center (SOC) Analyst
"The capstone project, where we had to secure a mock company's network, was the perfect talking point in my interviews. It showed I could apply what I learned to a real business scenario." - Aisha W., Junior Penetration Tester

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