

# BERNARD GNAZOU

Geospatial, IoT & Space Data Innovator | AI & Cybersecurity Specialist | Software Conceptor and Developer

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gravatar.com/bernardgnazou Cocody, Abidjan, Côte d'Ivoire Ivoirien



## ◆ PROFESSIONAL SUMMARY

Young Ivorian space technology innovator with demonstrated impact in the African spatial ecosystem. Holder of a Bachelor's degree in Network & Information Security (Honours) and currently pursuing a Master's in Cybersecurity and Internet of Things at UVCI. Certified in Satellite Technology (CubeSat, satellite systems engineering, space propulsion) through the CRASTE-LF/RCSSTEAP-China regional workshop. Award-winning project leader recognized with the 1st Prize at GAIATHon 2025 and the 2nd Prize at MASS 2025. Officially invited by the African Space Agency to participate in the GMES & Africa Continental Forum (Cairo, December 2025) and selected to showcase GéoSmart Africa at the Centre National de Calcul de Côte d'Ivoire (CNCCI) Open Day. Actively engaged in designing space-enabled solutions addressing critical African infrastructure and environmental challenges.

## ◆ KEY DISTINCTIONS & AWARDS



### 1st Prize - National Level

**GAIATHon 2025 — CURAT, Abidjan**  
Geolocation, geomatics, IoT & satellite data innovation



### 2nd Prize

**African Space Solutions Market 2025**  
Satellite data, IoT & geospatial solutions for Africa

## ◆ SPACE-RELATED PROJECTS & CONTRIBUTIONS

### Monitoring System Designer | [ InondAlert ]

02/2025 - 03/2025 ESATIC, Abidjan, Côte d'Ivoire

AI-driven dual-platform system for flood zone prediction using meteorological and geospatial data.

- Designed the monitoring module integrating AI models with meteorological data streams.
- Developed a predictive platform for identifying flood-prone zones in urban areas.

### Team Leader / ML Model Designer / Project Coordinator | [ GéoSmart Vision ]

04/2025 - 05/2025 Domicile & Fablab, Abidjan, Côte d'Ivoire

AI-powered road degradation detection and prevention system using satellite imagery and geospatial data.

- Led the design team and authored the full technical specifications document.
- Developed a machine learning model for automatic pothole detection from satellite imagery.
- Integrated satellite data, mobile geospatial information, and AI into a unified platform.
- Awarded 2nd Prize for technical robustness and innovation during African Space Solutions Market (MASS) 2025

### Production Team Member | [ Technocracks ]

05/2025 CURAT, Abidjan, Côte d'Ivoire

Smart waste management system integrating geomatics, geospatial data, IoT sensors, and QR code technology.

- Contributed to the development of an IoT-based waste collection optimization and alert system.
- Integrated geospatial data and QR code encoding/decoding for bin tracking.
- Awarded 1st Prize at GAIATHon 2025 — recognized as top national technological innovation

## ◆ CONTINENTAL & INTERNATIONAL ENGAGEMENTS



### Invited Participant — Team GEOSMART AFRICA | GMES & Africa Continental Forum

12/2025

Second Continental Forum of the GMES & Africa Phase II Programme, organized by the African Space Agency (AfSA/African Union).

- Officially invited by S.E. Dr Tidiane Ouattara, President of the AfSA Council, in recognition of MASS 2025 victory
- Participated in strategic discussions on Earth Observation (EO) and the Africa EO Roadmap
- Engaged with EO stakeholders, policymakers, academia, private sector actors across the continent

December 1-3, 2025 — AfSA Headquarters, Cairo, Egypt



### Certified Participant | Regional Workshop on Satellite Technology

01/2025

Workshop organized by CRASTE-LF (Morocco) and RCSSTEAP-China, in partnership with UVCI, Beijing University of China and the Ministry of Higher Education.

- Completed training in microsatellite (CubeSat) technologies and satellite systems engineering
- Studied spacecraft/satellite structures, mechanisms, and space propulsion systems
- End-of-Training Certificate N° AP/26-0070 issued January 30, 2026

January 27-30, 2026 — UVCI, Abidjan

## ◆ PROFESSIONAL EXPERIENCE

01/2026 - Présent

Angré, Abidjan, CI

● Consultant

**FabLab — Université Virtuelle de Côte d'Ivoire**

University digital fabrication workshop providing prototyping and engineering tools.

- Provided technical guidance and mentorship for student engineering and innovation projects.
- Assisted teams in designing secure and scalable IoT architectures.
- Supported project troubleshooting, optimization, and technical validation.

11/2025 - Présent

Angré, Abidjan, CI

● IT Solutions Designer

**Adinrin Intelligence Systems**

Company specialized in designing and developing internal and external IT solutions.

- Technical lead for project conception and specification writing
- Elaboration of technical and functional specification documents
- Project delivery and management

06/2025 - 10/2025

Divo, Côte D'Ivoire

● Intern

**General Treasury of Divo**

Public treasury entity responsible for government funds and expenditure management.

- Participated in Level I mandate control procedures
- Designed new digital file formats for exercise tracking and reporting

02/2025 - 06/2025

Cocody, Abidjan, CI

● Intern

**FabLab — Université Virtuelle de Côte d'Ivoire**

University digital fabrication workshop providing prototyping and engineering tools.

- Developed secure IoT prototypes and experimented with Arduino-based systems
- Authored technical documentation for project development and implementation
- Participated in prototyping and testing of student innovation projects

01/2025 - 05/2025

CURAT, Abidjan, CI

● E-Trainer

**Freelancer**

Taught programming fundamentals, algorithmic thinking, and essential digital tools to learners with diverse backgrounds

- Designed and delivered structured training sessions with practical exercises and mini-projects.
- Adapted teaching materials and methods to different skill levels and learning objectives.
- Provided mentorship and performance feedback to support learner progression.

02/2023 - 02/2025

Divo, Côte D'Ivoire

● Private Tutor

**Independent**

Offered individualized tutoring focused on strengthening scientific reasoning, conceptual understanding, and exam preparation strategies.

- Taught mathematics and physics-chemistry to secondary school students (Grade 8 to Grade 12).
- Prepared lessons, exercises, and exam-oriented practice sessions.
- Adapted teaching methods to individual learning needs and monitored student progress regularly.

## ◆ EDUCATION & GRADES

10/2025 - Présent

Cocody, Abidjan, CI

● Master's in Cybersecurity and Internet of Things (in progress)

**Université virtuelle de côte d'ivoire (UVCI)**

- Pursuing advanced studies at the intersection of cybersecurity and IoT, focusing on the design, deployment, and protection of connected systems.
- Gaining expertise in securing IoT networks, embedded devices, and cloud-integrated infrastructures against emerging digital threats.
- Studying advanced topics including network security, cryptography, intrusion detection, threat modeling, and secure communication protocols for IoT ecosystems.

09/2022 - 07/2025

Cocody, Abidjan, CI

● Bachelor's Degree in Computer Networks and Cybersecurity

**Université virtuelle de côte d'ivoire (UVCI)**

- The Computer Networks and Cybersecurity program aims to train professionals capable of designing, managing, and securing computer network infrastructures.
- It emphasizes advanced technologies and complex problem-solving in networking and information security.
- Honors: Good

07/2022

Divo, Côte D'Ivoire

● Baccalauréat Série C (Mathematics & Physics)

**Grammar School III of Divo**

- The school prepares students for the BAC C with a focus on Mathematics and Physics, aiming to develop strong academic skills and the ability to analyze and solve complex problems.
- Honors:** Passable

## ◆ CERTIFICATIONS & TRAINING

### Mobile Développement ( Level II/III )

DCLIC / OIF - 08/02/2026

### Google App's

UVCI / MTN / COURSERA - 15/11/2025

### E-Banking Certification (Level I)

Université Virtuelle de Côte d'Ivoire - 29/07/2025

### Regional Workshop on Satellite Technology

CRASTE-LF / RCSSTEAP-China / UVCI / MESRS / Beihang University  
30/01/2026

### Certification in Research Topic Formulation & Bankability

Université Virtuelle de Côte d'Ivoire - 14/08/2025

## ◆ TECHNICAL SKILLS

### Interpersonal skills

Problem-solving   Teamwork   Adaptability   Analytical thinking   Leadership

### Technical skills

AI & Data ScienceRéseau   Algorithmique & Programming   Networks & Systems   Cybersecurity

Linux System Administration   Google App's   Databases & Software   geolocation data processing   3D Modelling

Satellite Imagery Analysis   CubeSat Technology   Graphic Design   Maquettes & Prototyping

## ◆ HOBBIES & INTERESTS

 Programming

 Cybersecurity & IoT

 Emerging technologies, digital fabrication, and prototyping

 Digital education and outreach

 Computer Science

 Artificial Intelligence & Robotic

 Space technologies, satellite systems, and geospatial data applications

 Sports Activities: football, footing, fitness

## ◆ LANGUAGES

French

Native

English

Intermediate


Russian

Beginner

## ◆ ONLINE PRESENCE

 **YouTube**  
[www.youtube.com/@Mr.Artémix0](https://www.youtube.com/@Mr.Artémix0)

 **Facebook**  
Bernard Gnazou

 **Portfolio**  
<https://bernardgnazou.onrender.com/>

 **GitHub**  
<https://github.com/mrartemix>

 **WhatsApp**  
+225 05041 74843

 **Discord**  
<https://discord.gg/K4cY99eK1>