

## SEYDINA ISSA LAYE FALL

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📍 Nguekokh, Mbour

## About me

Geographer specialized in Geographic Information Systems (GIS) with expertise in the analysis of territories, environment, populations, and health. Significant experience in public health programs and disease control, particularly malaria, with proficiency in GIS software for the collection, analysis, and visualization of geospatial data. Strong skills in data management and spatial analysis to support socially and environmentally impactful projects..

## SKILLS

- Monitoring and Evaluation of Health Projects
- Web Mapping
- Data Collection and Management
- Spatial Analysis
- Spatial Database
- Proficient in: QGIS, ArcGIS, R, DHIS2, Tableau, Excel, and Google Earth Engine (GEE)

## LANGUAGES

- French
- English

## HOBBIES

- Football
- Fitness
- Playstation

## WORK EXPERIENCE

### Geographic Information System Associate | PATH/Macepa 2022 - Present

#### GIS Activities:

- · Contribute to creating the Master Facilities List (MFL).
- · Support the creation of shapefiles delineating health facility zones of responsibility.
- · Assist in the development of a geo-registry.
- · Support the creation of a spatial database.
- · Assist with malaria case mapping by neighborhood/village using historical data.
- · Contribute to the spatial risk analysis for malaria in responsibility zones (neighborhoods).

#### Training:

- · Support the training of district health workers on DHIS2 usage.
- · Train district health teams on malaria data analysis using DHIS2.
- · Provide on-site coaching for health workers on using the Tracker and completing malaria data collection tools.

#### Coordination and Monitoring:

- · Support the regional health directorate in supervising malaria elimination activities.
- · Participate in NMCP missions for verification and validation of investigation data in the northern region.
- · Assist in verifying and correcting malaria case investigation data on-site.
- · Contribute to developing a monitoring and evaluation plan for project activities in collaboration with zone coordinators.
- · Assist the district health office in monitoring rapid data reporting via DHIS2. Support the district health team in quality auditing of data.
- · Draft semi-annual departmental reports.
- · Prepare the annual regional report.
- · Participate in regional coordination meetings.

### GIS data manager intern | PATH/Macepa

Aug 2021. – Feb 2022

#### Tasks :

- Collect of geographic boundaries of neighborhoods and geographical coordinates of villages localized in different areas of responsibility
- Collect of geographic boundaries of health facilities
- Support the creation of shapefiles of different areas of responsibility
- Cartography of areas responsibility localised in the district of Saint-Loui

## EDUCATION

### Master's degree in Geography | Specialization :

Environment, Territories, Populations and Health (Health Geography)

*University of Cheikh Anta Diop, Dakar*

2018-2019