PHILIP A. NALLA

Decatur, GA | (857) 230-6443 | Philipayolu@gmail.com

SUMMARY

GIS Analyst with over 3 years of experience in geospatial data management and route planning for utility infrastructure. Skilled in ArcGIS, Python, and SQL to design and automate advanced leak detection surveys and optimize field drives. Proven ability to schedule and dispatch field teams, collaborate with operators and stakeholders, and enhance data-driven decision making for gas distribution integrity.

EDUCATION

Boston University **May 2023**
M.S., Remote Sensing and Geospatial Science *Boston, MA*

Federal University Oye Ekiti **Jan 2020**
Bachelor of Science, Geophysics *Nigeria*

RELEVANT SKILLS

- **GIS Software**: Esri Suite of Tools, ArcGIS Online, QGIS, Google Earth Engine, ArcGIS
- **Data Analysis & BI Tools**: Microsoft Tools, Microsoft Office, Power BI, Python Programming Language, R Programming Language, SQL
- **GIS Techniques**: Cartography, Spatial Analysis, GIS Modeling, Satellite Imagery Processing, Spectral Analysis and Classification, Geospatial Integration
- **Data Management**: Data Management
- **Planning & Scheduling**: Planning, Scheduling
- **Soft Skills & Analysis**: Analytical Skills, Critical Thinking and Problem-Solving Skills, Communication Skills, Interpersonal Skills, Business Problem Analysis

WORK EXPERIENCE

Covgee Properties **Oct 2025 - Present**
GIS analyst *Casa Grande, AZ*

- Used ArcGIS and demographic data to support site selection for residential and commercial developments.
- Performed drive-time, accessibility, zoning, flood risk, and crime analysis to assess property value and investment risk.
- Built interactive web maps and dashboards to present location intelligence to investors and planners.
- Mapped competitors, amenities, and growth corridors to identify underserved and high-potential areas.
- Automated spatial analysis and reporting with Python and SQL, streamlining business problem analysis and improving the speed and accuracy of property evaluation.

Clayton County **Sep 2024 - Oct 2025**
GIS and Transportation System Administrator *Jonesboro, GA*

- Planned and scheduled geospatial data collection and maintenance tasks using ArcGIS and Microsoft Office to support transportation operations.
- Maintained spatial datasets related to road infrastructure and public works.
- Created ArcGIS Online web applications to support transportation operations
- Implemented Clayton County's first ERP solution, Munis, for the Transportation & Development Department.
- Developed and managed geospatial and ERP services by conducting business problem analysis and applying planning methodologies to support transportation operations.
- Implemented Clayton County's first ERP solution (Munis) for the Transportation & Development Department, enhancing data-driven decision-making.
- Maintained and integrated road infrastructure datasets, improving the accuracy and accessibility of public works data.

Duke Energy **Jun 2024 - Aug 2024**
GIS Technologist *Charlotte, NC*

- Managed and analyzed infrastructure data using GIS software systems such as ESRI and Smallworld.
- Integrate GIS with enterprise platforms such as SAP, Smallworld, and Maximo to enhance operational efficiency.
- Update service and cable information to support accurate system representation.
- Map distribution areas for electric construction and conduct GIS studies for precise system updates and efficient planning.
- Maintained and updated GIS databases, ensuring data accuracy, consistency, and completeness for power lines, substations, transformers, poles, and other electrical assets.
- Ensure GIS data synchronization with asset management, customer information, and work order systems. Assist in creating and managing work orders by providing accurate location data and assets information.

Hope Gas **Jun 2023 - Jun 2024**
GIS Technician *Parkersburg, WV*

- Utilized GIS software to synthesize geospatial data related to gas infrastructure, including pipelines, valves, storage facilities, and meters, creating detailed and accurate maps for visual representation.
- Conducted spatial analysis to identify data patterns, trends, and correlations, supporting informed decision-making processes within the organization. Analyzed data to plan maintenance schedules strategically, identify expansion opportunities, and ensure compliance with regulatory standards.
- Maintained a comprehensive digital inventory of gas assets, meticulously tracking maintenance schedules, monitoring asset conditions, and updating records to ensure the integrity and reliability of the infrastructure.
- Provides quick access to critical information, crucial in providing real-time geographic information to emergency response teams during incidents, aiding in effective emergency management, and ensuring the safety of personnel and the community.
- Infrastructure projects. Aligned efforts and expertise to streamline the planning and design process, incorporating geospatial insights to enhance project efficiency and sustainability.

Boston University **Sep 2021 - May 2023**

Graduate Teaching Assistant *Boston, MA*

- Introduced students to Climate and Earth System Science, fostering a comprehensive understanding of key concepts and principles.
- Conducted lectures and led engaging group discussions to deepen students' knowledge and critical thinking skills.
- Supervised undergraduate laboratory courses in Climate and Earth Systems Science, providing hands-on guidance and support to students during experiments and data analysis.
- Expanded research experience through projects focused on environmental science and renewable energy, integrating GIS and remote sensing technologies to address pressing environmental challenges.
- Actively engaged in mentorship, providing guidance and encouragement to aspiring researchers, volunteering, and participating in outreach activities to promote environmental awareness and scientific literacy.
- Acquired geophysical data for further research to produce a detailed geographical map of the area of interest.
- Provided analysis, data checks, reports, online surveys, and client presentations.
- Supported project goals through technical team collaborations.
- Developed an empirical relationship between ER and IP for groundwater evaluation.