

---

# Vital Ahishakiye

## Data Scientist

Kigali, Bumbogo  
(+250) 788519271  
KG 7 Avenue

vahishak@andrew.cmu.edu  
linkedin.com/in/ahishakiye-vital/  
vital-ahishakiye.github.io/

### SKILLS

- **Technical Expertise:** Python, SQL, ArcGIS Pro, Tableau
- **Data Science Competencies:** Exploratory Data Analysis, Regression Analysis, Advanced Statistical Modeling, Predictive Analytics
- **Geospatial Analytics:** Data Collection, Geo-Data Interpretation, Visualization
- **Soft Skills:** Analytical Thinking, Stakeholder Communication, Cross-functional Team Collaboration, Project Management

### EXPERIENCE

#### Graduate Research Assistant

*Carnegie Mellon University - Africa | Sept 2024 – Present*

- Conducted data cleaning and advanced analysis on large-scale datasets using Python.
- Co-led research to optimize urban mobility in Kigali by analyzing moto-taxi and cab GPS data.
- Presented data-driven insights to stakeholders to inform policy and urban planning decisions.

#### Graduate Research Summer Intern

*Carnegie Mellon University - Africa | June 2024 – Aug 2024*

- Utilized ArcGIS Pro for in-depth spatial data analysis, extracting critical insights from geo-datasets.
- Developed predictive models to forecast mobility demand in African cities.

#### Photovoltaic System Designer

*Mighty Engineering Company Ltd | Mar 2023 – July 2023*

- Led a team of 4 engineers, delivering solar design solutions across 5 U.S. states.
- Designed over 110 solar projects and created 30 CAD catalogs for residential solar installations in Rhode Island, Massachusetts, New York, Vermont, and Connecticut.

### EDUCATION

#### Carnegie Mellon University - Africa

*Master of Science in Electrical and Computer Engineering | Expected May 2025*

#### Google Career Certificate

*Advanced Data Analytics | Sept 2024*

#### University of Rwanda - College of Science and Technology

*Bachelor of Science in Electrical Power Engineering | May 2021*

### VOLUNTEERING

#### Social Affairs Minister

*Student Guild | Carnegie Mellon University - Africa | Present*

#### Data Analyst

*Statistics Without Borders | Present*

- Provided data analytics expertise to support disadvantaged communities globally.

### LANGUAGES

- English (Fluent)
- Kinyarwanda (Native)