

# IGNA-IGBOKO HECTOR

+234-916-040-9456 | [higboko@gmail.com](mailto:higboko@gmail.com) | LinkedIn: [www.linkedin.com/in/hector-ignatius](http://www.linkedin.com/in/hector-ignatius) |  
Github: [github.com/higna](https://github.com/higna) | Portfolio: [higna.vercel.app](http://higna.vercel.app)

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**Software Developer | Data Manager | Digital Marketer | Graphics Designer | AI Developer |  
Technical Support Professional | Customer Service Representative | Capacity Development  
Trainer**

## Professional Summary

**IT Specialist**, Skilled in leveraging technology to develop and deploy solutions, automate processes, contribute to innovative research, data analysis, software & content development and management, at the International Institute of Tropical Agriculture (IITA), Virology and Molecular Diagnostics Unit.

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## WORK EXPERIENCE

### Application Developer

#### Virology & Molecular Diagnostics Unit (IITA)

Nov 2022 - Present

#### ❖ Data Management:

- Design and deploy custom data collection tools using **ODK** for research purposes.
- Apply data analytics techniques to process and interpret data using **Microsoft Excel, Google Sheets, Python and R**.
- Develop streamlined pathways for analyzed data to be visualized
- Design visually appealing dashboards and reports using **Looker (Google Data) Studio and Power BI** to facilitate data driven decision making.

#### ❖ Software Development | Management

- Develop custom web applications, using **HTML, CSS, JavaScript, React JS, Wordpress**, to enhance project visibility.
- Performs routine checks and updates to existing applications, ensuring optimal performance and resolving issues.

#### ❖ Content Creator | Digital Marketer | Graphics Designer

- Creates engaging content for presentations and project promotions using **CAPCUT** and **Microsoft PowerPoint**, aligning with project goals.
- Manage the project's social media presence to enhance engagement and visibility.
- ❖ **Customer Service Representative**
  - Serve as the front-line for **Seed Tracker**, handling calls and expertly resolving user issues to ensure smooth platform operation
- ❖ **Capacity Development & Training**
  - Trained professionals, value chain actors, farmers and stakeholders covering areas of **data management** on the **Seed Tracker Systems**..
  - Perform any other responsibilities as may be assigned by my supervisor

## **Public and Press Relation (NYSC)**

### **Orientation Broadcasting Service (OBS) | Freedom of Information Act**

**Jan 2023 - Nov 2023**

- ❖ Worked as a creative photographer, capturing high-quality images.

## **Photographer | Graphics Designer**

### **Stoney Photography**

**July 2021 - July 2022**

- ❖ Conducted photography sessions, capturing high-quality, artistic images for diverse clients, with post-production work in **Photoshop** and **Lightroom**.
- ❖ Created and refined visual content for social media, print, and digital campaigns, enhancing brand visibility and engagement using **Canva** and **Photoshop**.

## **IT Professional | Data Analyst**

### **Angelic Unique Waters**

**Nov 2019 - June 2021**

- ❖ **Data Analyst**
  - Applied data analytics techniques to process and interpret data using **Microsoft Excel**.
- ❖ **Software Development**
  - Built and maintained custom web applications using **HTML**, **CSS**, **Javascript**.
  - Performed routine checks and updates to existing applications, ensuring optimal performance and resolving issues.

- ❖ **Customer Service Representative**

- Served as the company front-line, handling calls and user related issues to ensure companies smooth running

## **Intern**

### **YIIFSWA (IITA)**

**Jul 2019 - Oct 2019**

- ❖ **Data Management**

- Utilized SQL for efficient database management and data handling.

- ❖ **Software Development**

- Developed and maintained custom web applications, using **HTML, CSS, Javascript**.
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## **EDUCATION**

### **University of Ibadan, Ibadan, Nigeria**

#### **Masters in Artificial Intelligence (In-view)**

**2023 - Present**

Currently pursuing a master's degree in Artificial Intelligence, focusing on advanced AI techniques, machine learning, and their applications in healthcare and other industries.

### **Dominican University, Ibadan, Nigeria**

#### **Bachelors in Computer Science**

**2017 - 2021**

Graduated with a Bachelor's degree in Computer Science, gaining a strong foundation in software development, data analysis, and computer systems.

### **Federal School of Statistics, Ibadan, Nigeria**

#### **National Diploma in Computer Science**

**2016 - 2017**

Gained practical knowledge in data management, statistics, and programming, laying the groundwork for advanced studies in computer science.

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## **CERTIFICATIONS**

### **Python for Data Science, AI & Development | IBM | Sep 2024**

Completed a course on the application of Python to data science and AI development, mastering essential tools and techniques for handling data and building AI models.

### **Introduction to Statistical Analysis and Machine Learning using R | International Institute of Tropical Agriculture (IITA) | Apr 2024**

Gained expertise in statistical analysis and machine learning using R, with a focus on practical applications in research and data-driven projects.

### **Essentials of Data Visualization using MS Excel | Acacia University | Feb 2024**

Gained data visualization skills, emphasizing the creation of clear and impactful visual representations of data.

### **HR Attrition Analysis using MS Excel | Anietie Etuk | Jan 2024**

Acquired data analytics and visualization skills for HR-related analysis using MS Excel.

### **Technical Support Fundamentals | Google | Dec 2023**

Developed tech support skills, including troubleshooting, customer support, and networking basics.

### **IT Security: Defence against the digital Dark Arts | Google | Nov 2023**

Learned essential cyber security principles focused on protecting systems and data from digital threats.

### **Basics of Digital Marketing | UniAthena | Nov 2023**

Gained fundamental digital marketing skills, covering SEO, social media marketing, and content strategy.

### **Use of SeedTracker | CGIAR | Sep 2023**

Gained practical skills on the use of seed tracker in accessing seeds of vegetatively propagated crops

### **Certificate of Merit | Dominican University | Nov 2021**

Awarded for being the Best Programmer in the B.Sc. Computer Science Programme for the 2020/2021 Academic Session.

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## **SKILLS**

- ❖ **Programming Languages:** Python, JavaScript, Java, Kotlin, R
- ❖ **Web Development:** HTML, CSS, JavaScript, WordPress
- ❖ **Data Analysis:** My SQL, Google Data Studio, R, MS Excel, Python
- ❖ **Tools and Technologies:** Google Sheets, ODK Collect, Canva, Adobe Photoshop, Lightroom
- ❖ **Digital Marketing:** SEO, Social Media Marketing
- ❖ **Customer Support:** Troubleshooting, User Assistance, Technical Support, Networking

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## **PROJECTS**

**Personal Website:** [higna.vercel.app](https://higna.vercel.app)

- ❖ Developed a personal portfolio website showcasing projects and professional information.

**Cassava Seed Tracker:** [seedtracker.org/cassava](https://seedtracker.org/cassava) | <https://tinyurl.com/cstdboard>

- ❖ Maintained the **WordPress**-based website to support tracking cassava seed data and built interactive dashboards.

**BBTV Alliance:** [bbtvalliance.org/newsite](https://bbtvalliance.org/newsite)

- ❖ Built and managed the BBTV project site using **wordpress**. Responsible for development, design and ongoing updates of the website.

**OGFIMS Interactive Dashboard:** <https://tinyurl.com/ogfimsdashboard>

- ❖ Developed an interactive dashboard for visualizing and analyzing critical project data, to aid stakeholders in making informed decisions.

**Web Scraper:** [https://github.com/higna/web\\_scraper](https://github.com/higna/web_scraper)

- ❖ Utilized **Selenium**, a **Python** package, to develop web scrapers that automate the data entry process, improving efficiency and accuracy in data management.

**Recyclick Africa:** [recyclick.africa](https://recyclick.africa)

- ❖ Built and managed the site using **React JS**, ensuring ongoing development and user engagement.

**Barcode Generator:** [fieldbarcode.vercel.app](https://fieldbarcode.vercel.app)

- ❖ Developed a web application for generating barcodes based on user input.

## **E-Voting System**

- ❖ Designed and implemented a mobile application for my undergraduate project using **Java** and **Kotlin**. Leveraging **Firebase** for **secure authentication** and efficient **database management**.

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## **LANGUAGES**

- ❖ English: Fluent
  - ❖ Igbo: Fluent
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## **REFERENCE**

**Dr. Lava Kumar**

Plant Health Program Leader and Head of Germplasm Health, Virology, and Molecular  
Diagnostics

International Institute of Tropical Agriculture (IITA)

Ibadan, Nigeria

Email: [L.Kumar@cgiar.org](mailto:L.Kumar@cgiar.org)