

## **Nanji Emmanuella Lakan**

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### **Professional Summary**

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First-class Computer Science graduate (CGPA 4.88/5.0, August 2025) with 4+ years of both remote and physical work experience in content creation, research coordination, and technical support. Served as corresponding author for 3 academic publications, managing email communications, revision tracking, and stakeholder coordination. Configured Google Workspace for organizational use and trained 50+ students on carrying out research in AI/Machine Learning. Proficient in Google Apps, content writing, calendar management, and project coordination.

### **Education**

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Bachelor of Science, Computer Science.

Air Force Institute of Technology (AFIT), Kaduna, Nigeria.

Graduated: August 2025 | CGPA: 4.88/5.0 (First Class).

Relevant Coursework: Project Management | Data Management | System Analysis and Design | Data Management.

### **Professional Experience**

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#### **Machine Learning Research Assistant**

Air Force Institute of Technology, Department of Computer Science | Jan 2024 - **Present**

- Managed workflows for 6 research projects involving 3-5 team members each, tracking timelines, deliverables, and documentation (3 published/accepted, 3 under review)
- Handled communications with international journal editors and reviewers as corresponding author, managing revision cycles and ensuring deadlines were met
- Organized and maintained digital filing systems for datasets, research documents, and project materials across multiple concurrent projects
- Reviewed and summarized findings from 20+ academic papers to support research decisions
- Trained 20+ students on machine learning workflows, creating learning materials that improved project completion rates by 30%

#### **IT Intern(Industrial Training)**

Nigerian Navy SOROH, Bayelsa\*\* | Sept 2024 – Nov 2024

- Performed data entry and database maintenance, ensuring accurate record-keeping across systems.
- Provided technical support for hardware and software issues, troubleshooting BIOS configurations and system boot problems
- Coordinated with external technicians to report and resolve hardware failures.
- Maintained IT equipment inventory and supported day-to-day operations of the IT department.

#### **Frontend Developer (Industrial Training)**

Olotu Square, Port Harcourt | Nov 2023 – Jan 2024

- Built modular React.js components using HTML, CSS, and JavaScript for responsive web applications
- Integrated REST APIs using Axios and managed application state with React Hooks and Context API
- Converted Figma design specifications into mobile-first, cross-browser-compatible user interfaces
- Participated in a hackathon to develop and deploy a full-stack travel agency app on Vercel
- Used Git for version control and collaborated with team members via GitHub

## Frontend Developer Intern

IHIFIX, Kaduna | Nov 2021 – Feb 2022

- Built a full blog application using Vue.js and Laravel, handling both frontend interface and backend integration
- Taught HTML and CSS to beginner developers at the company's training center
- Worked with stakeholders to validate designs and implement requested features
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## Content Writer & Researcher

ASIN5 (BujNews Group) | Remote | 2021

- Researched and wrote tech and business articles, averaging 200+ views and active engagement per article
- Managed content calendar and met weekly publication deadlines independently
- Conducted online research, fact-checking, and source verification for business and technology topics
- Engaged with reader comments and feedback to improve content quality

## Technical Skills

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**Data Analysis & Visualization:** Power BI, SQL, Microsoft Excel (Advanced), Data cleaning and organization

**Programming & Development:** Python, JavaScript, React.js, Vue.js, HTML/CSS, Node.js, PHP, MongoDB.

**Tools & Platforms:** Google Workspace (Docs, Sheets, Drive, Calendar), Git/GitHub, Jupyter Notebook, Figma, Postman, Vercel, Netlify

**Core Competencies:** Data analysis, process coordination, project management, documentation, stakeholder communication, team training.

## Key Projects

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### Research Documentation & Publication Support

- Co-authored 3 academic publications (1 published, 2 accepted), managing literature reviews, formatting, and submission processes
- Organized research materials, tracked revision requests, and coordinated peer review feedback

### Training Program Coordination

- Designed and delivered 15+ training modules for students on technical workflows and best practices
- Created visual presentations and step-by-step guides that improved student comprehension

### Data Organization & Reporting

- Built interactive dashboards in Power BI for retail sales analysis and HR analytics
- Organized and cleaned large datasets (1000+ records) to support Research, business insights and reporting

## Certifications

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- Data Analytics with AI – Sololearn (2024)
- Technical Support Fundamentals – Google (2024)
- Green Digital Skills – IncoAcademy & LinkedIn (2024)

## Projects

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**Hybrid CNN-Haralick Model:** Applied deep learning and hand crafted texture features to classify cattle disease images, achieving 97% F1-score and 94% accuracy.

**Retail Sales Analytic:** Identifying Sales Trends and Holiday Impacts using SQL & Power BI

**Multi-Classification Of Eye Diseases Using A Cnn-Haralick Hybrid Framework**

**Malware Classification using a Hybrid Cnn-Autoencoder and Transformer Encoded Approach**

## Publications

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- Hybrid CNN-Haralick Framework for Foot and Mouth Disease Classification in Cattle - <https://doi.org/10.9734/ajrcos/2025/v18i6709>.
- Multi-Classification Of Eye Diseases Using A Cnn-Haralick Hybrid Framework - <https://doi.org/10.25271/sjuoz.2025.13.4.1593>.
- Malware Classification using a Hybrid Cnn-Autoencoder and Transformer Encoded Approach- <https://doi.org/10.18178/ijml.2025.15.4.1181>

## Links

LinkedIn: [www.linkedin.com/in/nanji-lakan-theshaelle](https://www.linkedin.com/in/nanji-lakan-theshaelle)

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