

# BADEJO ADEGOKE TIMOTHY

*Plant Scientist & Agricultural Technologist*

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## RESEARCH PROFILE

Plant scientist with a B.Agric. in Plant Physiology and Crop Production (2nd Class Upper, FUNAAB) and over a decade of hands-on experience in crop management, farm systems analysis, and agricultural operations. Complemented by four years of professional software engineering — including mobile application development, API integration, and data-driven systems design — I am uniquely positioned to bridge plant science and computational methods in pursuit of precision agriculture research. My goal is to apply this interdisciplinary background to graduate research focused on crop performance monitoring, smart farming systems, and data-driven agricultural decision-making to address food security challenges in sub-Saharan Africa and beyond.

## EDUCATION

**Bachelor of Agriculture (B.Agric.) — Plant Physiology & Crop Production** | *Federal University of Agriculture, Abeokuta (FUNAAB)* | 2010 – 2014

- Graduated 2nd Class Upper Division; CGPA: 3.85 / 5.00
- Undergraduate Thesis: “Effects of Organomineral Fertilizer on Early Varieties of Zea mays” — investigated the influence of combined organic-mineral nutrient inputs on maize growth, development, and early-season yield performance
- Core coursework: Crop Physiology, Agronomy, Soil Science, Plant Pathology, Agricultural Statistics, Genetics & Plant Breeding, Farm Management
- Served as Biology and Mathematics teacher (NYSC) at Silver Secondary School, Imo State (2014–2015), demonstrating communication and scientific instruction skills

## RESEARCH & TECHNICAL SKILLS

### Agricultural Sciences

- Crop physiology: growth analysis, yield component assessment, plant stress observation and diagnosis
- Field operations: land preparation, planting schedules, crop monitoring, thinning, and harvest planning
- Soil and water testing; pest and disease identification; application of agronomic best practices
- Livestock management: breeding, health monitoring, medication administration (swine production)
- Agricultural record-keeping, inventory control, production reporting, and regulatory compliance

### Computational & Data Skills

- Statistical analysis: R programming (data wrangling, visualization, statistical modelling)
- Mobile application development: Flutter / Dart — cross-platform app design, API integration, Firebase, state management, UI/UX implementation
- Web development: HTML, CSS, JavaScript, PHP, Angular, React, React Native, WordPress
- Game development: Unity (C#), Unreal Engine
- Version control: Git; agile collaboration; software documentation
- Strong aptitude for applying data science tools to agricultural datasets and sensor outputs

## RESEARCH INTERESTS

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Precision agriculture and smart farming systems • Crop performance monitoring using IoT and remote sensing • Agricultural data analytics and decision support systems • Mobile and digital tools for smallholder farmer empowerment • Food security and sustainable crop production in tropical environments

## PROFESSIONAL EXPERIENCE

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**Farm Manager** | *Sonik Farms, Ifo, Ogun State* | February 2021 – May 2025

- Lead all farm operations covering crop cultivation, livestock management, and equipment maintenance across multiple production units
- Analyse operational data — crop yields, livestock health records, financial documents — to identify inefficiencies and recommend data-driven improvements
- Design and implement planting and harvesting schedules; conduct regular soil and water quality tests to inform agronomic decisions
- Manage procurement and inventory of seeds, fertilisers, and pesticides; oversee supplier relationships and cost optimisation
- Supervise and train farm staff; ensure strict compliance with health, safety, and regulatory standards
- Prepare financial reports and collaborate with senior management on budget planning and production targets
- Manage marketing and sale of farm produce including vegetables, fruit, dairy, and grain

**Mobile App Developer (Flutter)** | *Calm Global Information Technology Ltd, Ikoyi, Lagos* | 2019 – 2023

- Developed and maintained cross-platform mobile applications using Flutter and Dart for real-world client deployments
- Integrated third-party APIs, Firebase backend services, and RESTful services into production applications
- Collaborated with UX/UI designers to implement pixel-accurate design specifications; conducted code reviews to maintain quality standards
- Debugged and optimised existing codebases for performance, stability, and scalability
- Authored software documentation and contributed to team knowledge-sharing sessions

**Farm Assistant** | *Lagos State Pig Farm, Oke-Aro* | 2018 – 2020

- Assisted in swine production operations: daily feeding, health monitoring, breeding support (AI, heat detection, pregnancy checks)
- Administered medications and vaccinations under veterinary supervision; maintained detailed health and breeding records
- Operated farm machinery (feeders, manure spreaders); performed general maintenance of facilities and equipment

**Customer Care Representative** | *9mobile Experience Centre, Mushin, Lagos* | 2016 – 2019

- Provided high-quality frontline support at a major telecommunications call centre; consistently met KPI and customer satisfaction targets
- Maintained accurate client records; resolved complex customer issues; collaborated in team-based service delivery

## CERTIFICATIONS & PROFESSIONAL DEVELOPMENT

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Flutter & Dart — The Complete Guide (Maximilian Schwarzmüller)  
Medium of Instruction (English) — FUNAAB

Udemy, 2023  
Available on request

## **LANGUAGES**

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English

Excellent (spoken and written) — Medium of Instruction certificate available

## **REFERENCES**

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*Academic and professional references available upon request.*