# GODFRED AWUSI

Software Engineer • Full-Stack Developer • Founder, Cosby Technologies

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## PROFESSIONAL PROFILE

High-performing Computer Science first class graduate and software engineer with a strong Python-centric backend focus, specializing in Django, React, Nextjs, and MERN stack for scalable web systems and AI-oriented applications. Experienced in building production-ready web platforms, leading a personal software startup, and integrating modern frontend technologies with scalable backend architectures. Deeply motivated by problem-solving, applied machine learning, and long-term product thinking. Known for disciplined execution, continuous self-improvement, and the ability to translate ideas into reliable digital solutions.

## CORE TECHNICAL SKILLS

**Backend & Systems**: Python, Django, Django REST Framework, Nodejs, Express, RESTful API Design, Authentication & Authorization

**Frontend**: React.js, Next.js, JavaScript (ES6+), JSX, HTML5, CSS3, Tailwindcss, Bootstrap

**Databases**: PostgreSQL, MongoDB, Database Design & Optimization

**Machine Learning & Data (Foundational)**: Python for ML, Core ML Concepts, Model Evaluation, Data Preprocessing, Applied AI Awareness

**DevOps & Tooling**: Git & GitHub, Version Control Workflows, Deployment, Environment Management

**Software Engineering Foundations**: Algorithms & Data Structures, Object-Oriented Programming, Debugging & Testing, Clean Code Principles

**Design & Product Skills**: UI/UX Awareness, Graphic Design (Adobe Photoshop & Illustrator), Product Thinking

# PROFESSIONAL STRENGTHS

- Independent learning and research discipline

- Technical communication and documentation

- Analytical problem solving and user-centered design awareness

- Leadership and ownership in project execution

- Time management under academic and production constraints

# PROFESSIONAL EXPERIENCE

### Founder & Software Engineer

**Cosby Technologies** – Accra, Ghana

*January 2021 – Present*

- Founded and scaled a personal software startup focused on web solutions, digital products, and long-term platform development.
- Design and develop full-stack web applications with MERN stack and Python-focused backend (Django) with modern React and Next.js frontend.
- Architect RESTful APIs, authentication systems, and database schemas optimized for maintainability and scalability.
- Deliver client-facing solutions while managing requirements gathering, timelines, and technical execution.
- Integrate branding, UI, and performance considerations into engineering decisions.

### Digital Marketing Manager

**Abew Special Enterprise** – Tema, Greater Accra

*January 2020 – Present*

- Manage and optimize the company's digital presence across Facebook, Instagram, WhatsApp, and Google Business.
- Develop content strategies that improve customer engagement and brand visibility.
- Handle converted customers through responsive online communication.

### Graphic Designer

**Success Printery Services** – Osino, Eastern Region

*June 2019 – September 2019*

- Designed professional print materials, including flyers, banners, posters, and business cards.
- Collaborated with clients to convert ideas into visually compelling designs under strict deadlines.
- Built a strong foundation in visual communication and design discipline.

# EDUCATION

**B.Sc. Computer Science**

Ghana Communication Technology University – Accra, Ghana

*Graduated: 2025*

**First Class Honours | CGPA: 3.61**

# ONLINE & CONTINUOUS EDUCATION

- Python & Django for Web Development (Self-Directed, Ongoing)
- MERN Stack From Scratch – Traversy Media
- Modern JavaScript From The Beginning – Udemy
- Modern HTML & CSS (Including Sass) – Udemy
- The Complete Cryptocurrency Course – Udemy
- Graphic Design Masterclass – Udemy

# KEY PROJECT FOCUS AREAS

- Scalable web platforms with Django backends
- API-driven architectures for web and mobile integration
- AI-ready systems designed for future machine learning integration
- Business-oriented software products with real-world impact

**Projects**

*IoT-Based Smart Waste Management System*

*Final-Year Project – BSc Computer Science*

Designed and implemented an IoT-driven smart waste management system to optimize urban waste collection and enhance sanitation efficiency. The solution features smart bins equipped with ultrasonic sensors for real-time waste monitoring, GPS modules for geolocation tracking, and proximity sensors for contactless lid operation.

A centralized web dashboard provides real-time visualization of bin status, triggers full-bin alerts, and supports data-driven decision-making for efficient collection planning.

This project demonstrates the practical application of computer science, IoT, and data systems to address urban challenges, offering a scalable foundation for future smart city innovations.

**Skills applied:** IoT systems, backend development, REST APIs, dashboards, data monitoring, system design.

# LANGUAGES

English (Fluent)

Twi (Native)

# PERSONAL INTERESTS

Fitness & personal discipline, swimming, cooking, travel, music, applied technology research and product building

# REFERENCES

References available upon request