Erastus Uriah Nyarku Kwaw

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https://github.com/Ding-Dong101/Uriah

PROFESSIONAL SUMMARY

Computer Science student proficient in **Python**, **Django**, and **SQL** with a focus on secure **backend systems**. Developed anonymous voting applications and password managers with real-time functionality. Interested in scalable architecture and **cybersecurity** principles.

Education

Kwame Nkrumah University of Science and Technology	Jan,2025 - Present
Bachelor of Computer Science	Kumasi, Ghana
	Expected 2029
University Practice Senior High	2022-2024
General Science	CapeCoast, Ghana

RELEVANT COURSEWORK

Cybersecurity Fundamentals, Circuit theory, Computer Networking, Data Structures and Algorithms, Discrete Mathematics, Economics, Information Technology, UI/UX design, React, NextJS, Networking.

TECHNICAL SKILLS

Languages: Python, JavaScript, SQL, HTML/CSS, C++
Tools: Git/Github, Visual Studio Code, Figma, Kali Linux, Photoshop
Frameworks: React,Django, NextJs
Other: Project Management,UI/UX Design, Data analysis

EXPERIENCE

Freelance Web Developer | 2020–Present
- **Volunteer Portal for Visionary Youth International**
  - Built a digital platform connecting volunteers with opportunities, increasing engagement by 70%.

- **Anonymous Voting System (Visual Basic)**
  - Designed a real-time vote-tracking system, boosting election transparency and participation by 25%.

- **Blog Website (Vanilla JavaScript)**
  - Launched an interactive blog with responsive design, attracting 300+ unique visitors in the first month.

- **Password Generator App (React)**
  - Developed a secure password generator enabling users to create/store passwords for online accounts.
  - Currently in the user testing phase, collecting feedback to refine functionality and UX.

- **Frontend Developer (Intern) | ErnestLinks Consult** | 2025
  - Being the front-end developer for ErnestLinks Consult, using NextJS, my impact in the team has boosted the rate at which the whole system is ready for launch.

PROJECTS
- **School Voting System** – Streamlined student elections with real-time tracking.
- **Anonymous Messaging App**
- **Blog Site**
- **ErnestLinks Consult Web App –** Contributed to a business solution as lead frontend dev.
- **Visionary Youth International Website** – Enhanced NGO outreach.
- **Password Generator** - Enabled users to store/create passwords for online accounts.

Leadership & Extras
- **Prefect Roles:** Hostel Prefect (SHS), Class Prefect, Compound Prefect (Basic School).
- **Languages:** Fluent in English, HSK 1 (Chinese), basic French.

- **Interests:** Research, Data Analysis, UI/UX, SDG Advocacy.