

## Simon Ddungu

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### Summary

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Second-year Computer Science student and full stack developer with hands-on experience building and deploying applications. Skilled in both Front end and Back end technologies, a solid foundation in data structures and algorithms and a commitment to writing clear, maintainable code. Seeking an internship where I can apply and contribute my skills to real-world impactful projects, learn from experienced professionals and continue growing as a software developer.

### Education

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#### ISBAT University

Lugogo Bypass, Uganda

*Bachelor's of Science in Computer Science*

*Expected Graduation, Dec 2026*

- **Concentration:** Software Engineering, Web Development.
- **Related Coursework:** Software Engineering Professional Practices, Web Development, Object-Oriented Programming, Data Structures & Algorithms, Database Management Systems, Operating Systems, Cybersecurity, Computer Architecture, Data Science.

### Projects

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#### 1. Brueilex Group

Link: [brueilexgroup.com](http://brueilexgroup.com)

A corporate website showcasing Brueilex Group's water and energy solutions, including irrigation systems, solar energy, boreholes, generators and water pumping, designed to highlight efficiency, sustainability, and reliability.

**Technologies:** React, Next.js, TypeScript, Tailwind CSS, Nodemailer, Cloudflare.

**Contributions:**

- Integrated a functional contact form with Nodemailer to streamline client inquiries and service requests.
- Structured content and layouts to emphasize the company's reliability, professionalism and focus on sustainable solutions.
- Built a modern, responsive website to present Brueilex Group's services clearly across devices

#### 2. Vinniq Media

Link: [vinniqmedia.com](http://vinniqmedia.com)

A website for Vinniq Media, offering professional photography and videography services for portraits, events and media productions, designed to showcase creative work and attract new clients.

**Technologies:** React, Next.js, TypeScript, Tailwind CSS, Nodemailer, Cloudflare.

**Contributions:**

- Designed and developed a sleek, visually engaging site to highlight Vinniq Media's portfolio and services.
- Added a contact form with Nodemailer to make booking and client communication seamless.
- Implemented a responsive layout optimized for showcasing Vinniq media's content on mobile and desktop devices.

### 3. ISBAT GPA Calculator

Link: [isbat-gpa-calculator.vercel.app](https://isbat-gpa-calculator.vercel.app)

A simple and lightweight GPA calculator built for ISBAT University students to compute semester and cumulative GPA easily.

**Technologies:** React, Next.js, TypeScript, Tailwind CSS, Vercel.

**Contributions:**

- Implemented logic to calculate semester and cumulative GPA dynamically based on user inputs.
- Designed and developed a clean, intuitive interface for quick GPA computation.
- Ensured responsive design for seamless use across desktop and mobile devices.
- Deployed using Vercel for fast, reliable access by ISBAT university students.

### 4. Agrix

Link: [agrixapp.com](https://agrixapp.com)

A platform for farmers to sell crops, buy inputs, access farming tips and check weather updates, designed to improve decision-making and productivity.

**Technologies:** React, Next.js, TypeScript, Tailwind CSS, Netlify.

**Contributions:**

- Designed and built a clean, responsive site to promote the Agrix mobile application.
- Wrote and structured content to explain Agrix's features and benefits to non-technical users.
- Delivered a clean, mobile-friendly layout that reflects the app's focus on accessibility and impact.

### 5. Pivosoft Coding Academy

Link: [academy.pivosoft.com](https://academy.pivosoft.com)

An online learning platform offering free mentorship in web development, mobile apps, backend and version control for beginners.

**Technologies:** React, Next.js, JavaScript, Tailwind CSS, Netlify.

**Contributions:**

- Built and maintained core frontend components and layouts.
- Helped integrate resources from mentors and display course content dynamically.
- Focused on responsive UI and clean user experience for first time learners.

### 6. Personal Portfolio

Link: [simonddunqu-portfolio.vercel.app](https://simonddunqu-portfolio.vercel.app)

A personal website to showcase my projects, document what I'm learning and talk a bit about who I am and where I want to go in tech.

**Technologies:** React, Next.js, TypeScript, Tailwind CSS, Vercel.

**Contributions:**

- Designed and built a fully responsive portfolio site to present my work and technical skills.
- Used clean visual structure and minimal styling for clarity and focus.
- Integrated GitHub, email, and project links for easy navigation and access.

## Skills

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**Programming Languages:** JavaScript, TypeScript, Python, Java, HTML, CSS, PHP

**Front End Technologies:** React, Next.js, Tailwind CSS

**Back End Technologies:** Node.js, Django

**Databases:** MySQL, SQLite, PostgreSQL, MongoDB

**Tools:** Git, GitHub, Postman, Ngrok

**OS:** Ubuntu Linux, Windows

**Other:** RESTful APIs, Responsive Design, Search Engine Optimization, Version Control