



TUKAMUHEBWA NEWTON

Software Engineer • Web & Systems Developer

Entebbe, Uganda

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GitHub: <https://github.com/NewtonNB>

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Portfolio: <https://newtonportofolio.netlify.app>

PROFESSIONAL SUMMARY

Results-driven final-year Diploma student in Software Engineering at Sai Pali Institute of Technology and Management with strong hands-on experience in fullstack web development. Experienced in developing dynamic web applications including a School Website, School Management System, Pharmacy Management System, blogs, and an Integrated School Management System (ISMS) using PHP, Laravel, and MySQL. Skilled in database design, authentication systems, and rolebased access control. Passionate about backend engineering, scalable system design, and solving real-world problems through software. Actively seeking internship or junior software engineering opportunities to contribute technical expertise and grow in a professional development environment.

TECHNICAL SKILLS

Programming Languages

- PHP
- JavaScript (ES6+)
- Java
- C
- C++
- HTML5
- CSS3

Frameworks & Libraries

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- **Laravel**
- **Bootstrap**
- **Tailwind CSS**
- **React**

Build Tools & Package Managers

- **Vite**
- **Composer**
- **npm**

Databases

- **MySQL**
- **SQLite**

Tools

- **Git**
- **GitHub**
- **Postman**
- **VS Code**
- **XAMPP**

Concepts

- **MVC Architecture**
- **Role-Based Access Control**
- **Authentication & Authorization**
- **Object-Oriented Programming (OOP)**
- **RESTful APIs**
- **Agile Development & Problem-Solving**
- **Payment gateway integration (mobile money & wallets)**

PROJECTS

1. Integrated School Management System (Final Project, Group) (2026-End of the Final Semester)

Type: Full System / Web Application

Tech Used: Laravel (Livewire), MySQL, React

GitHub: [saipali-isms-backend](#)

- Complete school management system for student data, attendance, grades, and reports
- Role-based dashboards for Admin, Teachers, and Students
- Automated report generation and notifications
- Secure authentication and authorization systems

2. School Website & Dashboard(Aug 2024 - Mar 2025)

Tech Used: PHP, Laravel, SQLite, Bootstrap

GitHub: [newton-project](#)

- Responsive school website with integrated admin dashboard
- Managed student data, events, and announcements
- Role-based access control for admin and staff

3. Pharmacy Management System(Mar 2025 – Aug 2025)

Tech Used: PHP, Laravel, MySQL, Bootstrap

GitHub: [meditrack](#)

- System to manage pharmacy inventory, sales, and customer prescriptions
- Notifications for low stock and automated billing
- User authentication and role-based access

4.Runyakitara Hub (Full Website)(2026)

Tech Used: PHP, HTML5, CSS3, JavaScript, Bootstrap

GitHub: [runyakitara-hub](#)

- Fully functional website with blogs and dynamic content
- Responsive design, accessibility, and security best practices

5. Chance Clinic Website & System (Group Project)

Tech Used: PHP, Laravel, MySQL, Bootstrap

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GitHub: [chance-clinic](#)

- Website and management system developed collaboratively
- Managed patient data, appointments, and notifications
- Role-based access control for staff and admin

EDUCATION

Diploma in Software Engineering & Management
Sai Pali Institute of Technology and Management

2024 – 2026

Completed – Awaiting Graduation

Uganda Advanced Certificate of Education (UACE) Nyabikoni
Secondary School (2021 – 2023)

Uganda Certificate of Education (UCE)
Nyabikoni Secondary School (2017 – 2020)

Primary Leaving Examination (PLE)
Blue Hope Primary School (2015 – 2016)

ADDITIONAL STRENGTHS & INTERESTS

Strengths:

- Strong problem-solving and analytical skills
- Team collaboration and communication
- Fast learner and adaptive to new technologies
- Attention to detail and clean code practices

Interests:

- Web & software development
- Exploring new programming frameworks and tools

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- **Blogging and tech content creation**
- **Technology for education and business solutions**

Languages:

- **English (Fluent)**
- **Luganda (Native)**
- **Runyankore (Fluent)**

REFERENCES

1. Turyasiima Elly

Position: Headmaster

Institution: Nyabikoni Secondary School

Phone: +256 775 475 626

Email: Available upon request

2. Mohammed Shoukat Ali

Position: Lecturer

Institution: SaiPali Institute of Technology and Management

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3. Mr Kavuma Joseph

Position: Manager

Company: Scripture union Uganda camping Site-Kawuku Entebbe

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4. Muhirwa Osbert

Position: Programming Officer

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