



anujajay.com

ANUJA JAYASINGHE

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SUMMARY

Software Engineering undergraduate specializing in full-stack architecture and high-performance applications. Expert in building scalable tools that transform complex data into actionable insights. Disciplined in clean code, modern UI/UX, and performance optimization. Detailed project architectures and technical documentations are available on anujajay.com.

TECHNICAL SKILLS

Full-Stack: Next.js 15, React 19, Vite, Tailwind CSS, Framer Motion, Node.js, TypeScript

Backend & DB: Supabase, PostgreSQL (Neon), Prisma ORM, REST APIs, Firebase

Infrastructure: Docker, Proxmox, Linux/Bash, Vercel, Cloudflare, Git, Tailscale

FEATURED PROJECTS

SolarEdge Analytics

React 19, Vite, Supabase, Chakra UI, Recharts, Solis Cloud API

- Developed a real-time solar energy monitoring system with interactive Bar/Area charts and 5-minute power updates.
- Implemented an intelligent dual-layer caching strategy (SWR + LocalStorage) for instant data loads.
- Live Demo: <https://solaredge.anujajay.com>
- GitHub: <https://github.com/Anuja-jayasinghe/Solar-Analytics-Dashboard>



CheckMS (The Vault)

Next.js, Neon Postgres, Prisma, Clerk Auth, Tailwind CSS

- Engineered a high-precision portfolio manager for check-cashing liquidity with zero-error profit calculations.
- Built a mobile-first "OLED-dark" UI featuring Privacy Mode to blur sensitive financial figures.
- Live Demo: <https://checkms.anujajay.com>
- GitHub: <https://github.com/Anuja-jayasinghe/check-management-system>



ComponentOps Library

Next.js 15, React 19, Framer Motion, Tailwind CSS, Lucide React

- Curated 40+ reusable React components including arcade-style 404 pages and social marquee animations.
- Streamlined UI development workflows by providing ready-to-plug polished JSX components.
- Live Demo: <https://componentops.anujajay.com>
- GitHub: <https://github.com/Anuja-jayasinghe/React-Components-Library>



PayLedger

Next.js 14, Supabase, EmailJS, Chart.js, TypeScript

- Built a neon-glassy financial hub to track bill lifecycles and visualize monthly spending patterns.
- Features secure public dashboard sharing via UUID tokens and automated email summaries.
- Live Demo: <https://payledger.anujajay.com>
- GitHub: <https://github.com/Anuja-jayasinghe/PayLedger>



MINI PROJECTS

NIC Detail Extractor | *Python, JS*

- Extracts birthdate, gender, and age from SL NIC numbers using custom regex logic.
-  GitHub: <https://github.com/Anuja-jayasinghe/NIC-detailExtractor>

Mouse Auto-Active | *Python, PyAutoGUI*

- A utility script to keep computer sessions active by simulating periodic mouse movement.
-  GitHub: <https://github.com/Anuja-jayasinghe/Mouse-auto-active>

CEB Management | *JavaScript, Firebase*

- A utility for managing and calculating electricity consumption based on CEB rates.
-  GitHub: https://github.com/Anuja-jayasinghe/CEB_Management

OTHER PROJECTS

JaySync-Lab | *Proxmox, Docker, Tailscale*

- Home lab for media automation and network security via Pi-hole and secure tunneling.
-  GitHub: <https://github.com/Anuja-jayasinghe/JaySync-Lab>

Project Management System | *Java, MySQL, JDBC*

- A backend-focused system for managing software development lifecycles and tasks.
-  GitHub: <https://github.com/Anuja-jayasinghe/Project-management-system>

EDUCATION

Informatics Institute of Technology (IIT) / UoW
BSc (Hons) Software Engineering (UG)

Colombo, Sri Lanka
Sept. 2024 – Ongoing

Informatics Institute of Technology (IIT)
Foundation Certificate in Higher Education (Computing)

Colombo, Sri Lanka
Sept. 2023 – Sept. 2024

Bandaranayake Central College
G.C.E. Ordinary Level (O/L) - Result: 4As, 3Bs, 2Cs

Veyangoda, Sri Lanka
2022

S. Thomas' College
Secondary Education

Bandarawela, Sri Lanka

LEADERSHIP, VOLUNTEERING & SPORTS

IEEE Student Branch - IIT
Event Volunteer

Colombo, Sri Lanka
2024 – Present

Bandaranayake Central College
School Prefect – Football Team Player (2018 – 2021)

Veyangoda, Sri Lanka
2021 – 2022

S. Thomas' College
Rugby Team Player

Bandarawela, Sri Lanka
2017 – 2018

REFERENCES

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