

Thilina Sandaruwan

Undergraduate

 Portfolio |  GitHub |  LinkedIn |  lakmalsadaruwan411@gmail.com |  +94 76 184 6689

 Homagama, Colombo, Sri Lanka

PROFESSIONAL SUMMARY

Bachelor of ICT (Hons) in Software Technology undergraduate with strong foundation in full-stack development, cloud infrastructure, and AI/ML powered applications. A creative mind with passion for building user-centric solutions. Adaptable problem-solver eager to apply technical knowledge to real world challenges. Seeking a software engineering Internship to contribute fresh perspectives while rapidly expanding professional capabilities in a collaborative environment.

EDUCATION

Bachelor of Information Communication Technology (Honors)	2023 – Present
University of Sri Jayewardenepura, Faculty of Technology	Expected 2027
Specialization: Software Technology — Current GPA: 3.35	

Relevant Coursework: Software Engineering, Object-Oriented Programming (OOP), Data Structures & Algorithms, Web Application Development, Machine Learning, Database Systems, Software Deployment & Evolution.

TECHNICAL SKILLS

Languages	JavaScript ,TypeScript, Python, Java, C, SQL, HTML5, CSS3
Frameworks	React.js, Next.js, React Native, Express.js, Node.js, Tailwind CSS
Databases	MongoDB, MySQL, PostgreSQL, SQLite
DevOps & Cloud	Git, GitHub, Docker, CI/CD, AWS
Tools	VS Code, Figma, Postman
Methodologies	Agile, Scrum

FEATURED PROJECTS

AlphaForge – AI-Powered Semi-Algorithmic Trading Platform

Technologies: Python, FastAPI, React, Docker, GitHub Actions, Oracle Cloud

[GitHub](#) — [Live Demo](#)

- Built a semi-algorithmic trading platform with ML-powered signal generation using GMM regime detection and 7+ technical indicators (RSI, MACD, EMA, Bollinger Bands, ADX).
- Developed React dashboard with live charts, trading journal, money management, and performance visualizations (heatmaps, equity curves).
- Integrated Telegram bot notifications, Google Gemini AI validation, and automated CI/CD deployment pipeline.
- Deployed on Oracle Cloud with Docker containerization and GitHub Actions for continuous deployment.

CVMate – AI-Powered Resume Builder

Technologies: Next.js , TypeScript, MongoDB, NextAuth.js, Tailwind CSS, Gemini API, React-PDF

[GitHub](#) — [Live Demo](#)

- Built a modern SaaS application enabling users to create professional, ATS-optimized resumes with AI-powered suggestions.
- Developed a scalable MongoDB schema to store structured resume data, supporting versioning for 5+ dynamic templates and real-time color palette customization.
- Implemented a hybrid authentication system supporting both JWT-based custom auth and NextAuth.js (OAuth) to handle secure session management across protected API routes.

- Created responsive UI using Tailwind CSS and Shadcn/ui component library for seamless cross-device experience.

Personal Portfolio Website

Technologies: Next.js, React Three Fiber, Tailwind CSS, Framer Motion

[GitHub](#) — [Live Demo](#)

- Designed and developed an Interactive portfolio website with cinematic dark aesthetics.
- Implemented interactive 3D elements using React Three Fiber and WebGL for immersive user experience.
- Integrated a Gemini AI chatbot and Framer Motion animations for immersive UX.
- Deployed on Vercel with optimized performance and SEO best practices.

EXPERIENCE

Freelance 3D Character Developer

2023 – 2024

Fiverr

- Delivered high-quality 3D character designs for international clients across multiple projects.
- Maintained **4.8/5 star rating** and achieved **Level One Seller** status.
- Successfully managed client expectations and met tight deadlines across different time zones.
- Developed strong communication skills working with diverse global clientele.

CERTIFICATIONS

- [Developing Back-End Apps with Node.js and Express](#) – **IBM** (Dec 2025)
- [Developing Front-End Apps with React](#) – **IBM** (Nov 2025)
- [Machine Learning with Python](#) – **IBM** (Nov 2025)
- [Oracle Cloud Infrastructure 2025 AI Foundations Associate](#) – **Oracle** (Sep 2025)
- [AWS Cloud Technical Essentials](#) – **AWS** (Dec 2025)

INTERESTS

- **UI/UX Design** – Passionate about creating intuitive, beautiful user experiences
- **Artificial Intelligence** – Fascinated by AI/ML applications in real-world problem solving
- **Algorithmic Trading & Market Analysis** – Keen interest in financial markets, technical analysis
- **3D Modeling & Animation** – Creative outlet through character design and digital art
- **Open Source** – Contributing to and learning from the developer community

SOFT SKILLS & ADDITIONAL INFORMATION

- **Skills:** Creative Thinking, Problem-Solving, Teamwork, Adaptability, Communication, Quick Learner.
- **Languages:** English (Fluent), Sinhala (Native).
- **Availability:** Full-time internship preferred.

REFERENCES

Mr. Chamila Karunatilake

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