Mithurn Jeromme

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EDUCATION

SRM Institute of Science and Technology — June 2023 – May 2027 (Expected)
B.Tech in Computer Science and Engineering (Core); CGPA: 8.83 — *Chennai, India*

St. Assisi World School — June 2021 – March 2023
Edexcel Pearson AS & A Levels — *Madurai, India*

TECHNICAL SKILLS

Languages: JavaScript, TypeScript, Python, C++, SQL
Frameworks & Libraries: Next.js, React, Node.js, Express.js, Tailwind CSS, Prisma
Databases & Tools: PostgreSQL, SQLite, MongoDB, Git, GitHub, Firebase, Docker

EXPERIENCE

Freelance Full-Stack Developer — 2023 – Present
Upwork (Remote)

- Built and deployed full-stack web apps for international clients, improving process efficiency by **60%** with automated workflows and intuitive UI/UX.
- Developed secure REST APIs (Node.js + PostgreSQL) and dynamic Next.js front-ends, cutting client development time by **30%**.

Frontend Development Intern — Jul 2025 – Aug 2025
PearlThoughts — *Remote*

- Designed responsive Next.js interfaces for a hospital booking platform, boosting booking efficiency by **35%** and reducing load time by **40%**.
- Applied modern UI/UX practices, increasing internal test engagement by **25%**.

PROJECTS

Prompter AI [Demo] [GitHub] | *Next.js, TypeScript, Node.js, PostgreSQL, Tailwind CSS*

- Intelligent task-planning assistant that converts natural language into structured, prioritized plans, reducing manual planning time by **27%**.
- Implemented secure JWT authentication and optimized PostgreSQL queries to handle **10k+ requests/day** with sub-200 ms latency.

Rakt Radar [GitHub] | *React, Flask, PostgreSQL, Tailwind CSS, AI/ML*

- AI-driven blood-bank management platform — **Winner, INNOTECH-2025**, outperforming **200+ teams**.
- Deployed ML-based expiry prediction and smart routing algorithms, cutting blood-unit wastage by **30%** and emergency response time by **40%**.

Krishi Rakshak [GitHub] | *Python, Hugging Face, Computer Vision, NLP*

- Rural-focused multi-modal AI for crop disease detection and distress-signal analysis; **Finalist** (Top 40 / 400+ teams).
- Optimized for low-bandwidth 2G networks using quantized CV/NLP models, enabling **real-time predictions under 3 s**.

Tamizh-Kanini [GitHub] | *React 18, Tailwind CSS, FastAPI, Chrome Extension V3*

- **Winner – Tamizh-A-Thon 1.0 (ICTCIT 2025):** Built an AI-powered Chrome extension providing real-time Tamil grammar and spell checking, comparable to Grammarly.
- Engineered scalable FastAPI microservices and fine-tuned the **Tamil LLaMA** model, enabling <**150 ms** correction latency and supporting 75 M+ potential users.

ACHIEVEMENTS

Winner – Tamizh-A-Thon 1.0   36-hour Tamil computing hackathon, ICTCIT 2025.
Winner – INNOTECH 2025   AI-driven SDG Solve-a-Thon by SRM ACM SIGAI.
National Finalist – HackOrbit 2025   Top 400+ teams nationwide in a 36-hour national hackathon.