

# Mithurn Jerome

Full Stack Developer — *Next.js • Node.js • FastAPI • PostgreSQL • Docker • AWS • LLM Integration*  
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## EDUCATION

<b>SRM Institute of Science and Technology</b> <i>B.Tech in Computer Science and Engineering; CGPA: 8.83</i>	Jun 2023 – May 2027 (Expected) <i>Chennai, India</i>
<b>St. Assisi World School</b> <i>Edexcel Pearson AS &amp; A Levels</i>	Jun 2021 – Mar 2023 <i>Madurai, India</i>

## TECHNICAL SKILLS

<b>Languages:</b> JavaScript, TypeScript, Python, C++, SQL
<b>Frameworks &amp; Libraries:</b> Next.js, React, Node.js, Express.js, FastAPI, Tailwind, LLaMA Integration
<b>Databases, DevOps &amp; Tools:</b> PostgreSQL, Supabase, Prisma, Docker, AWS, Git/GitHub, Hugging Face, Figma
<b>Certificates:</b> AWS Cloud Practitioner   OCI GenAI Professional   OCI AI Foundations

## EXPERIENCE

<b>Full Stack Developer Intern</b> <i>Turn2Law</i>	Oct 2025 – Present <i>On-site</i>
– Built an automated legal-document drafting workflow using <b>Qwen 2.5 and FastAPI</b> microservices, containerized with Docker and deployed on AWS, supporting <b>800 users</b> .	
– Optimized server-side routing and model-serving pipelines, reducing API latency by <b>25%</b> and improving overall UX.	
– Developed responsive React + Next.js UI with lightweight Framer Motion animations, improving LCP by <b>32%</b> and reducing page load times.	
<b>Frontend Developer Intern</b> <i>PearlThoughts</i>	Jul 2025 – Aug 2025 <i>Remote</i>
– Built the complete frontend for a doctor-patient platform using Next.js, designing UI in Figma and implementing animations with GSAP/Framer Motion.	
– Improved navigation responsiveness by <b>20%</b> and contributed to faster production deployment.	
<b>Technical Web Team Member</b> <i>Entrepreneurship Cell (E-Cell)</i>	2025 – Present <i>SRM IST</i>
– Co-built and maintained the official E-Cell website using React + Tailwind, improving the registration funnel and mobile responsiveness by <b>22%</b> .	

## PROJECTS

<b>Prompter AI</b> — Task Planning AI Assistant [GitHub]	<i>Next.js, Node.js, PostgreSQL</i>
– Converts user goals into structured action plans using LLM-driven reasoning.	
– Secured with JWT auth and optimized PostgreSQL queries supporting <b>10k+ req/day</b> .	
<b>Rakt Radar</b> — AI Blood Bank System [GitHub]	<i>React, Flask, ML</i>
– Winner – INNOTECH 2025 among 200+ teams.	
– Reduced blood-unit wastage by <b>30%</b> via ML-based expiry prediction.	
<b>Tamizh-Kanini</b> — AI Grammar Chrome Extension [GitHub]	<i>FastAPI, LLaMA, Chrome Ext V3</i>
– Winner – Tamizh-A-Thon 1.0. Real-time Tamil grammar + spell correction for Chrome.	
– Served <b>600+ beta users</b> ; LLaMA-based inference with <b>&lt;150 ms</b> latency.	

## ACHIEVEMENTS

<b>Winner – Tamizh-A-Thon 1.0</b>	Tamil computing hackathon, ICTCIT 2025.
<b>Winner – INNOTECH 2025</b>	SRM ACM SIGAI Solve-a-Thon.
<b>National Finalist – HackOrbit 2025</b>	Top 40 teams in national hackathon.