

Thilak S

thilakjo.com | [LinkedIn](#) | [GitHub](#)

SUMMARY

Dual-degree Electronics & Data Science student at RVCE and IIT Madras, with several major full-stack deployments. Passionate about building scalable web platforms, data-driven insights, and seamless user experiences. Seeking to leverage strong problem-solving, collaboration, and technical leadership skills in an offline interview setting.

TECHNICAL SKILLS

Languages: Java, HTML, CSS, JavaScript, Python, SQL, C, C++, Embedded C, Verilog HDL, MATLAB
Frameworks: Next.js, Node.js, Express.js, Bootstrap, Tailwind CSS, STM32CubeMX, Raspberry Pi
Developer Tools: Git, GitHub, MongoDB, Excel, Keil uVision
Libraries: React, Firebase, Supabase

PROJECTS

Monity — *Next.js, Supabase, Inngest, ArcJet, Shadcn UI*

- Designed and implemented a full-stack finance platform to track income and expenses across multiple accounts, with smart categorization and AI-powered receipt scanning.
- Built recurring transactions and automated budget alerts to notify users as they approach spending limits, improving financial discipline.
- Developed interactive charts and visual dashboards for at-a-glance daily analytics and long-term trends, enhancing user engagement.
- Automated monthly AI-driven financial reports delivered via email, offering personalized insights and recommendations.
- Ensured a fully responsive, accessible UI that adapts seamlessly across desktop and mobile devices.

PrintIt — *React, Next.js, clerk, Google Maps API, Razorpay*

- Architected and developed a full-stack document printing platform, enabling users to upload documents and route them to the nearest partner print shops.
- Integrated Google Maps API for real-time shop discovery—displaying 10+ local xerox and printing vendors with dynamic price comparisons for services (B/W, color, lamination, binding).
- Built a custom order management API in Express.js to automate order routing, status tracking, and notifications via webhooks, reducing manual overhead by 80%.
- Implemented secure, cashless payments using Razorpay—handling checkout flows, transaction reconciliation, and refund workflows to ensure trust and reliability.
- Designed administrative dashboards in React for print shop owners to manage incoming orders, set service pricing, and view analytics on peak demand and revenue.

EDUCATION

Rashtreeya Vidyalaya College of Engineering, Bangalore <i>Bachelor of Engineering, Electronics and Communication Engineering</i>	2022 – 2026 CGPA: 7.50
Indian Institute of Technology Madras, Chennai <i>Bachelor of Science, Data Science and Applications</i>	2023 – 2026 Ongoing
The Learning Centre Pre-University College, Mangalore <i>Higher Secondary Education</i>	2022 85.33%
Kendriya Vidyalaya, Hassan <i>Secondary School Education</i>	2020 91.8%

CERTIFICATIONS

Hacktoberfest 2024 – DigitalOcean
Issued Oct 2024

LEADERSHIP

Cultural House Captain – Kendriya Vidyalaya, Hassan
2019 – 2020