

VIGNESHWARAN B

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SUMMARY

Final-year Computer Science student skilled in MERN stack and Next.js, with hands-on experience building real-world full-stack projects. Seeking an opportunity to apply and grow as a software developer.

SKILLS

Languages : JavaScript, TypeScript, Python, C++, SQL, Java

Frameworks & Libraries : React.js, Next.js, Express.js, Node.js, Drizzle ORM, Redux

Tools : Docker, Git, Postman, Vercel, Turborepo

Databases : PostgreSQL, MongoDB

Cloud & Hosting : Cloudflare Workers, Supabase, Firebase

ACADEMIC PROJECTS

E-commerce

[Link]

- Developed a Next.js and MERN stack e-commerce platform dedicated to selling premium mango varieties.
- Implemented secure Razorpay payments, dynamic cart, and order management features.
- Designed a responsive, SEO-friendly UI using Next.js and Tailwind CSS.
- Built an admin dashboard for product, order, and customer management with optimized backend APIs.

AI & Blockchain-Based Certificate Verification System

[Link]

- Built a tamper-proof certificate verification system using Polygon PoS blockchain and AI-driven validation.
- Implemented Solidity smart contracts for immutable certificate issuance and verification.
- Integrated BERT-based AI and Tesseract OCR for document authenticity and text similarity analysis.
- Developed a React + TypeScript dashboard with Node.js/Express.js backend for issuers and verifiers.

NeuralQ — AI-Powered SaaS Ecosystem

[Link]

- Built an AI-powered interactive tutoring platform using Next.js, OpenAI, Tailwind CSS, and shadcn/ui, enabling real-time problem-solving through video calls.
- Integrated video-based query understanding, where users can explain their doubts via live video, and the system generates accurate AI responses using OpenAI models.
- Designed an intuitive, responsive UI with Tailwind and shadcn components, ensuring a smooth, modern, and user-friendly learning experience.
- Implemented personal AI tutor functionality, allowing users to receive instant explanations, step-by-step guidance, and personalized learning support.

College Symposium Landing Platform

[Link]

- Developed a modern and responsive symposium landing page using Vite.js, Bootstrap, and shadcn/ui, tailored specifically for my department's annual college event.
- Designed a clear and engaging event overview, showcasing all symposium activities, schedules, rules, and highlights in a detailed and visually appealing format.
- Implemented a registration module that allowed students to sign up seamlessly, ensuring smooth participant data collection for multiple events.
- Optimized the landing page for performance and user experience, ensuring fast loading, clean UI, and easy navigation for participants and organizers.

EDUCATION

Secondary School Education (SSLC)	2019 - 2020	89.20 %
Sivakasi Nadars Matriculation Higher Secondary School		
Higher Secondary Second Year (+2)	2021 - 2022	79.17 %
Sivakasi Nadars Matriculation Higher Secondary School		
Sethu Institute Of Technology	2022 - 2026	77.35 %
Computer Science Engineering (Artificial Intelligence and Machine Learning)		

CERTIFICATIONS:

- Certified as an Elite Silver in “Cloud Computing” – NPTEL
- Recognized as an Elite Performer in “Ethical Hacking” – NPTEL
- Zetspire Technologies Pvt. Ltd. (e-Yantra Lab Initiative, Sethu Institute of Technology)
IoT 3 Level of Training