

Dhanush S

Full Stack Developer | Next.js + TypeScript + MERN
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PROJECTS

AI -- FINANCIAL INTELLIGENCE | NEXT.JS 15, REACT 19, TAILWIND CSS, SUPABASE, PRISMA, CLERK, INNGEST, ARCJET, SHADCN UI, GEMINI AI
| (Live Link)

- Developed an end-to-end **AI finance platform** for budgeting, expense tracking, and investment insights.
- Merged Gemini AI for **predictive analytics**, enabling monthly cash-flow forecasts with **92%** accuracy.
- Optimized **API workflows** with Inngest; reduced response time by **38%**. Deployed on Vercel with CI/CD.

NEXT-GEN AI IMAGE EDITOR | NEXT.JS 15, REACT 19, TAILWIND CSS, CONVEX, CLERK, FABRIC.JS, IMAGEKIT, SHADCN UI
| (Live Link)

- Built **real-time AI image editor** with object selection, background removal, and style-transfer features.
- Leveraged Fabric.js + ImageKit; improved rendering performance by **40%** using WebAssembly optimizations.
- Applied role-based authentication for secure designer-client collaboration.

CARECONNECT — TELEHEALTH PLATFORM | NEXT.JS 15, REACT 19, TAILWIND CSS, NEONDB, PRISMA, CLERK, VONAGE, SHADCN UI
| (Live Link)

- Engineered **HIPAA-compliant** telemedicine platform with **Vonage Video API** for **real-time** consultations.
- Automated appointment scheduling — reduced booking conflicts by **95%**; lowered streaming latency to under **150ms**.
- Delivered credit-based payment and subscription model to enable **scalable monetization**.

AI CAREER COACH — INTERVIEW BUDDY | NEXT.JS 15, REACT 19, TAILWIND CSS, NEONDB, PRISMA, CLERK, INNGEST, GEMINI API, SHADCN UI
| (Live Link)

- Built AI-driven interview prep platform: CV feedback, role-specific mocks, and skill-gap analysis.
- **Blended Gemini AI** to generate interview simulations — upgrade candidate preparedness by **70%**.
- Optimized Prisma queries to improve load times by **50%** under heavy traffic.

PROFESSIONAL EXPERIENCE

J.P. MORGAN CHASE | SOFTWARE ENGINEERING JOB SIMULATION (VIRTUAL INTERNSHIP — FORAGE)
| (View Certificate) Remote | Jun 2024

- Integrated live stock-price data feed with **JPMorgan's Perspective library** to prototype an interactive trading dashboard; reduced display lag by $\approx 25\%$.
- Restored a **broken repository** build by resolving dependency/module issues; increased build success rate from $\approx 60\%$ to **100%**.
- Contributed a documented patch and tests to the Perspective open-source codebase.

WALMART GLOBAL TECH | ADVANCED SOFTWARE ENGINEERING JOB SIMULATION (VIRTUAL INTERNSHIP — FORAGE)
| (View Certificate) Remote | Jun 2024

- Implemented a modified heap-selection algorithm (Python) to optimize batch selection; reduced selection latency by $\approx 30\%$.
- Designed UML class diagrams and normalized relational schema for a reconfigurable data processor.
- Built ETL scripts to normalize multi-sheet spreadsheets; boosted pipeline reliability to $\approx 95\%$.

PRODIGY INFOTECH | WEB DEVELOPMENT INTERN (1-MONTH)
| (View Certificate) Remote | Jun 2024

- Created a **responsive landing page**, **interactive To-Do app**, and **simple calculator** using HTML5/CSS3/vanilla JavaScript; improved UI load speed by $\approx 35\%$.
- Built a Weather App integrating **OpenWeatherMap API** for real-time and 7-day forecasts; applied async API calls — responses within $\approx 200ms$.
- Deployed projects to **portfolio** and documented deliverables; increased recruiter/demo access by $\approx 50\%$.

EDUCATION

SRM INSTITUTE OF SCIENCE AND TECHNOLOGY

B.TECH — ELECTRONICS & COMMUNICATION ENGINEERING
Kancheepuram, Tamil Nadu | Expected 2026
Cum. GPA: 8.56

SUNBEAM MATRICULATION HSS

HSC — 2022
Vellore, Tamil Nadu | 82% (492/600)

LFC MATRICULATION HSS

SSLC — 2020
Ranipet, Tamil Nadu | 93.4% (467/500)

SKILLS

Programming: JavaScript (ES6+), TypeScript, Python, SQL
Frontend: React 19, Next.js 15, Tailwind CSS, Shadcn UI, Fabric.js
Backend / DB: Node.js, Prisma ORM, Supabase, NeonDB, Convex
AI / Data: Gemini AI, AI API Integrations
Cloud / DevOps: Vercel, Arcjet, Inngest, ImageKit
APIs / Tools: REST APIs, Vonage Video API, Git, GitHub

CERTIFICATIONS

- **Harvard University** — CS50's Introduction to Programming with Python (2024) | (View Certificate)
- **University of Helsinki** — Full Stack Open (Grade 5) | (View Certificate)
- **Microsoft & LinkedIn** — Career Essentials in Generative AI | (View Certificate)
- **LinkedIn Learning** — Practical GitHub Actions | (View Certificate)

ACHIEVEMENTS

- **freeCodeCamp** — Responsive Web Design Certification (300 hrs) | (View Certificate)
- **Open-Source Contribution** — JPMorgan Chase Perspective Library (patch + tests) | (View Certificate)

LINKS

LinkedIn: [linkedin.com/in/dhanushs08](https://www.linkedin.com/in/dhanushs08)
GitHub: github.com/codewithdhanus
Portfolio: dhanush-s-portfolio.vercel.app

LANGUAGES

Tamil (Native)
English (Professional proficiency)