

HARSH WARDHAN

Full-Stack Developer | Product Builder | B.Tech Computer Science

harshwardhanportfolio.vercel.app · github.com/harshwardhan1507 · linkedin.com/in/harsh-wardhan-singh-cse

EDUCATION

SRM University, Haryana — B.Tech, Computer Science & Engineering

2025 – 2029 (Expected)

Class 12 (CBSE) — 94.6%

Class 10 (ICSE) — 93.6%

TECHNICAL SKILLS

Languages	JavaScript (ES6+), TypeScript, Python, Java, C, C++, HTML5, CSS3
Frontend	React.js, Next.js 14, Tailwind CSS, shadcn/ui, Zustand, Vite
Backend	Node.js, Next.js API Routes, REST APIs, Firebase, Resend
Databases	PostgreSQL, Supabase (Auth, RLS, Storage, Edge Functions), Pinecone
AI / LLM	Claude API (Anthropic), Prompt Engineering, Vector Embeddings
Tools	Git, GitHub, Vercel, VS Code, WSL2, pdf-lib, next-pwa, Capacitor

PROJECTS

Vertex — Campus Operating System

[Next.js 14](#) · [TypeScript](#) · [Supabase](#) · [PostgreSQL](#) · [Tailwind CSS](#) · [Firebase FCM](#) · [pdf-lib](#) · [Resend](#) · [PWA](#)

vertexcampusos.vercel.app | github.com/harshwardhan1507/vertex

- Built a production-grade campus event management platform with 5 role-based access levels — student, committee, club lead, professor, and dean — each with dedicated dashboards and permission systems enforced via PostgreSQL RLS policies.
- Implemented complete event lifecycle from club lead creation through professor approval to student registration, QR-based attendance scanning, and automated certificate and OD letter generation via pdf-lib and Resend.
- Designed TrustMark verification system generating unique UUIDs and QR codes on every document, enabling professors and recruiters to verify authenticity via a public endpoint with zero login required.
- Built VScore — a real-time campus participation scoring system that auto-calculates grades S through E and percentile rankings using PostgreSQL triggers and functions, used by club leads for induction filtering.
- Architected mobile-first PWA with Capacitor for Android and iOS deployment via hosted web view strategy — one Next.js codebase shipping to web, Google Play, and App Store.

MemoryOS — AI Personal Second Brain

[React](#) · [TypeScript](#) · [Tailwind CSS](#) · [Zustand](#) · [Claude API](#) · [Pinecone](#)

verge-eosin.vercel.app | github.com/harshwardhan1507/verge

- Built a full-stack AI web app that captures, stores, and semantically retrieves personal memories using vector embeddings.
- Integrated Anthropic's Claude API for intelligent memory querying and contextual responses.
- Implemented Pinecone / Supabase pgvector for semantic search across user-generated memory nodes.
- Designed modular UI with color-coded memory cards, type-indicator animations, and DM Sans typography.

SRM CGPA Calculator

[HTML](#) · [CSS](#) · [JavaScript](#) · [Firebase](#)

srm-cgpa-calculator-by-haruto.vercel.app | github.com/harshwardhan1507/SRM-cgpa-calculator

- Built an SRM grading-system-aware CGPA calculator to compute semester GPA and cumulative CGPA instantly.
- Integrated Firebase for data persistence and live preview of grade changes.

FocusX — Pomodoro Timer

[HTML](#) · [CSS](#) · [JavaScript](#)

focusxbyharuto.netlify.app | github.com/harshwardhan1507/12-days-12-projects

- Designed a glassmorphism-style Pomodoro timer with dynamic backgrounds and adaptive text contrast across themes.
- Implemented session tracking, break management, and smooth CSS transitions for focused productivity sessions.

12 Days · 12 Projects (Ongoing)

[HTML](#) · [CSS](#) · [JavaScript](#)

github.com/harshwardhan1507/12-days-12-projects

- An ongoing series of mini projects, each fully designed, built, and shipped within a single day to sharpen frontend skills and execution speed.
- Each project is independently scoped and deployed — including weather app, quiz game, currency converter, countdown timer, and more.

ACHIEVEMENTS & HIGHLIGHTS

- Built and actively developing Vertex — a production-grade campus OS with multi-role auth, automated document generation, and real-time participation scoring, targeting 500+ students at SRM Haryana.
- Qualified JEE Mains — one of India's most competitive engineering entrance exams.
- Scored 94.6% in CBSE Class 12 and 93.6% in ICSE Class 10 board examinations.
- Built and publicly deployed 6+ projects as a first-year CS student.
- Completed MemoryOS — a full-stack AI web app with live deployment, integrating LLMs and vector databases.

INTERESTS

Full-Stack Web Development · Product Building · AI & LLM Applications · Freelancing · DSA · Fitness