

Henil Malaviya

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Personal Summary

Web and backend developer, CS undergraduate, experienced in building scalable, real-time applications. Skilled in modern JavaScript frameworks and backend architectures, currently expanding expertise in Go for high-performance systems. Passionate about clean code, privacy, and modular software design.

Education

A.D. Patel Institute of Technology, B. Tech in Computer Science & Design Aug 2023 – May 2027

- CGPA: 8.5 / 10
- Grand Finalist (top category) in New India Vibrant Hackathon 2023 – 1,400+ teams

Internships

Developer Intern, SSESSA (Ghana, West Africa) – Remote Oct 2025 – present

- Served as a technical lead within a team of interns developing a Transportation Management System, assisting with sprint planning, reviews, and collaboration workflows
- Designed and shipped an automated email ingestion pipeline using Mailgun webhooks, PDF parsing, and the OpenAI API to auto-create shipment loads from inbound emails, eliminating manual data entry.
- Diagnosed and patched a production cross-tenant caching bug where stale OpenAI responses were leaking across tenants, preventing data integrity issues at scale.
- Built a client-facing CMS website with Next.js, TypeScript, Tailwind CSS, and Strapi; resolved a production database connection pooling issue causing intermittent 500 errors.
- Contributed 100+ PRs across frontend, backend, microservices, and mobile applications

React Intern, SSESSA (Ghana, West Africa) – Remote May 2024 – Oct 2024

- Built a customizable drag-and-drop dashboard for an enterprise EHS platform using React, Redux, and REST APIs
- Helped migrate the frontend from JavaScript to TypeScript, working on authentication flows and shared UI components
- Contributed production features to a live multi-tenant platform used by enterprise customers

Projects

Link (link.henil.dev) Dec 2024 – present

Stack: SvelteKit, Convex, Typescript

- URL shortener deployed for academic use, 19K+ tracked redirects
- Built the platform from scratch, then later rebuilt it from ElysiaJS + Prisma to a real-time SvelteKit + Convex architecture

lclip (github.com/henilmalaviya/lclip) Jan 2026

Stack: GoLang

- CLI tool for sharing clipboard content across devices over LAN with peer discovery and encrypted communication
- Supports stdin/stdout workflows for headless environments and is released publicly with GitHub Actions CI

gol (github.com/henilmalaviya/gol)

Sept 2025

Stack: GoLang

- Built a concurrent-safe Conway's Game of Life library with reusable simulation APIs
- Powers two downstream projects: Balcony (balcony.henil.dev) and qr-dance (github.com/henilmalaviya/qr-dance) – an animated QR code renderer that runs Game of Life generations inside the QR matrix.

Skills

Languages: TypeScript, JavaScript, Go, Python, C/C++, Java, HTML/CSS

Frameworks: SvelteKit, React, Next.js, ElysiaJS, ExpressJS, TailwindCSS, .NET

Databases: PostgreSQL, Convex, MongoDB, MySQL, Redis, SQLite

Tooling: Prisma, Git, GitHub Actions, Vite, Vercel, Coolify, Cloudflare Tunnels, Zod, AWS S3

Future Interests

- Advancing web security and designing privacy-first systems
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- Building and contributing to collaborative, open-source projects