

VEDANSH SHARMA

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EDUCATION

Manipal University Jaipur

2024 – 2028

B.Tech, Computer Science & Business (CSB) — 3rd Year

CERTIFICATIONS

- Claude Code in Action — Anthropic Academy
- AI Fluency: Framework & Foundations — Anthropic Academy
- Claude 101 — Anthropic Academy

SKILLS

Languages: JavaScript, TypeScript, Python

Frameworks & Libraries: React, Next.js, Node.js, Electron, Tailwind CSS

Databases & Backend: PostgreSQL, Prisma, Supabase, Firebase, REST APIs, OAuth

Tools & Platforms: Git, Docker, Vercel, npm, Chrome Extensions (Manifest V3)

PROJECTS

DSA Problem Tracker

Next.js · Supabase · PostgreSQL · Prisma

- Designed and deployed a full-stack spaced-repetition web app implementing a custom SM-2 algorithm to schedule problem reviews based on user confidence ratings
- Built authentication, automated problem metadata retrieval from LeetCode URLs, and analytics dashboards; identified and patched an IDOR vulnerability via independent security audit

commit-gen (published npm package)

Node.js · Ollama · Commander.js

- Built and published an open-source CLI tool that generates Conventional Commit messages from staged git diffs using a locally-run LLM, with a cloud API fallback
- Implemented git-hook automation, streaming AI responses, branch-to-issue linking, and automatic filtering of lockfiles/binaries from diffs

Now Brief

Manifest V3 · React · Vite · Tailwind CSS

- Built a browser extension overriding the new tab page with a personal dashboard aggregating live data from 7+ sources, including GitHub, weather, a custom task manager, and Spotify
- Implemented a secure OAuth 2.0 flow for Spotify integration and a serverless proxy architecture to keep all API keys server-side

Bixby PC Navigator

Node.js · Python · Firebase · Gemini API

- Built a two-way bridge transforming Samsung's Bixby voice assistant into a local AI orchestrator for Windows PC automation via a secure Firebase relay
- Integrated Google's Gemini API for natural language command processing, enabling voice-triggered script execution and screen-context analysis