

HASAN KARAKRA

Computer Science · AI Engineer · Founder of DarkForge AI

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hkforge.dev (portfolio) · darkforgeai.com (agency) · github.com/forgehk (github) · linkedin.com/in/hasan-karakra (linkedin)

SUMMARY

Computer Science student at California State University, Long Beach (3.8 GPA, President's List Honoree) and founder of DarkForge AI — an AI automation and full-stack development agency that has shipped 12 production platforms across wellness, real estate, e-commerce, and telehealth. AI-accelerated delivery 60–80% faster than traditional builds, Python pipelines that replace manual design work at 500× speedup, and hardened infrastructure across DNS, SSL, and email deliverability.

EXPERIENCE

Founder & Full-Stack Engineer — DarkForge AI

Jan 2024 – Present

Anaheim, CA · AI automation & full-stack web development agency · darkforgeai.com

- Bootstrapped agency to 10+ paying clients across wellness, real estate, e-commerce, and telehealth; shipped 12 production full-stack sites with 60–80% timeline reduction versus traditional builds.
- Engineered Python image pipeline (Pillow, NumPy) with pixel-level color matching and gradient interpolation — replaced 15–20 min of manual Photoshop per asset with <2s automated output (500× speedup, 2,000+ variants in production).
- Built lead enrichment stack (Apify scrapers + Claude enrichment + browser automation) processing 12,000+ leads at 94% dedupe rate; sourced the agency's first ten paying clients.
- Hardened client infrastructure across DNS (A, CNAME, MX, SPF, DKIM), SSL/HTTPS, HTTP security headers, and email deliverability; deployed multi-domain Netlify pipelines with one-command deploys.
- Drove LLMs end-to-end across the project lifecycle — requirements, architecture, code, debugging, copy, deployment — shipping regulatory-compliant content for telehealth and DTC clients.

Technology & Process Improvement Intern — Farmacia Anaheim

Summer 2025

Anaheim, CA · Tech infrastructure, product operations, and task automation · 12-week internship

- Introduced AI-driven workflows and automation across the company's technology infrastructure — emphasizing reliability, usability, and time savings.
- Owned end-to-end product catalog operations: SKU architecture, photography pipelines, pricing strategy, and inventory across multiple product lines.
- Coordinated international supplier relationships and overseas sourcing — product specifications, label design, MOQ negotiations, and quality assurance.
- Developed brand identity systems — logo guidelines, color palettes, typography standards, and a consistent design language across all digital properties.

SELECTED PROJECTS

HKForge Portfolio · Static site · HTML / CSS / JavaScript · hkforge.dev

- Hand-built portfolio with twelve documented production projects and live metrics. No template, no framework, no SaaS dependencies — every line in the repo earns its keep.

Color-Match Image Pipeline · Python · Pillow · NumPy

- Pixel-level color detection and gradient interpolation produce studio-quality product variants from a single base photo. 500× faster than manual Photoshop, 2,000+ variants in production.

SKILLS

Languages & Frameworks Python, JavaScript, C++, Java, SQL, React, Node.js, HTML5, CSS3, Bash

AI & Automation Claude Code, prompt engineering, LLM orchestration, agent workflows, Pillow, Apify, browser automation

Infrastructure & Security DNS (A, CNAME, MX, SPF, DKIM), SSL/HTTPS, HTTP security headers, Netlify, Supabase, environment isolation

CS Fundamentals Data structures, algorithms, operating systems, computer architecture, OOP, computer security, data privacy

EDUCATION

California State University, Long Beach — B.S. in Computer Science, GPA 3.8

Jan 2025 – May 2027 (expected)

President's List Honoree (Fall 2025)

Cypress College & Fullerton College — A.S. in Computer Science, GPA 3.8

Aug 2022 – Dec 2024

Dual-enrollment coursework completed while attending Western High School