

HARSH KHETIA

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LinkedIn | GitHub | Portfolio

SUMMARY

Full Stack Developer and AI Engineer with production experience shipping e-commerce platforms, AI automation pipelines, and real-time systems. Built applications processing live payments across 2 gateways and reaching 700K+ monthly organic reach. Strong problem-solving and organizational skills across React, Node.js, Python, and TypeScript stacks.

TECHNICAL SKILLS

Languages: Python, TypeScript, JavaScript (ES6+), SQL, HTML5, CSS3
Frontend: React 19, SvelteKit, Svelte 5, Tailwind CSS, DaisyUI, Framer Motion, Responsive Design, Vite
Backend: Node.js, Express 5, Fastify 5, Flask, REST API Development, WebSocket, Socket.IO
AI / Machine Learning: TensorFlow, Hugging Face Transformers (BART), SpaCy, VADER, Groq Large Language Model (LLM), Natural Language Processing (NLP)
Databases: PostgreSQL, MongoDB, SQLite, Prisma ORM, Firebase
Tools: Git, Docker, CI/CD, Unit Testing, Vercel, Render, Hostinger, Puppeteer, Stripe, Brevo, SendGrid, pnpm, Zod, Vitest

EXPERIENCE

Founder and Lead Developer April 2025 - Present
Bhairav Aaradhyaa | Live Site Manchester, UK

- Designed and shipped a full-stack spiritual tech platform with React 19, Express 5, PostgreSQL, Prisma, and Firebase Auth
- Integrated dual payment processing: Stripe for international transactions and Instamojo for India-based users
- Automated Search Engine Optimization (SEO) with a Puppeteer pipeline that pre-renders 192 pages to static HTML without an SSR framework
- Developed a content automation pipeline that produced 3,500+ social media assets across 4 platforms with Brevo handling email delivery
- Organic reach hit 700K+ monthly through automated content scheduling and data-driven publishing

Web Developer September 2024 - Present
UWEAR UK | Live Site Manchester, UK

- Shipped a React 18 e-commerce storefront with product catalog, cart, checkout, and order management backed by MongoDB
- Created an admin dashboard with Chart.js sales analytics, inventory tracking, and order processing workflows
- Set up Stripe payment processing, SendGrid transactional emails, and JSON Web Token (JWT) authentication with role-based access control (RBAC)
- Deployed frontend on Hostinger with Express backend on Render

IT Work Placement | KPMG March 2024 - April 2024

- Completed 4-week IT placement covering business analysis and technical problem-solving with senior consultants

Team Supervisor | SPAR September 2023 - Present

- Managed customer service operations handling 100+ daily interactions with 95% first-contact resolution

PROJECTS

GeoThreadBot Python, Flask, TensorFlow, BART, SpaCy

- 7-stage AI data pipeline that fetches from 3 API sources (Twitter, YouTube, RSS), detects 12+ languages, scores relevance with NLP, summarizes with BART, cross-verifies facts, and publishes approved stories to Twitter
- Refactored from single-file prototype into modular Python package with 25 modules across 8 packages and 19 unit tests

HELEC SvelteKit, Fastify, Socket.IO, PostgreSQL, Groq

- Real-time AI customer support chat powered by Groq LLM (llama-3.3-70b) with 10-message context window and full conversation persistence in PostgreSQL
- Structured as pnpm monorepo with shared TypeScript types, Prisma ORM, Zod input validation, and Docker Compose for local development

CyberShip Carrier Service TypeScript, Zod, Vitest

- Carrier-agnostic shipping rate aggregator using Adapter pattern to normalize 3+ carrier APIs behind a single interface with UPS OAuth 2.0
- Type-safe request/response schemas with Zod validation and 100% test coverage using Vitest

EDUCATION

BSc (Hons) Computer Science April 2022 - July 2024
University Academy 92 (Lancaster University), Manchester, UK | GPA: 3.5 / 4.0