

SHIVAM SINGH

thisishivam@icloud.com • +91 8340390814 • linkedin.com/in/shivam91s • github.com/Terra-01 • terra01.dev

SUMMARY

Most of my time goes to HireRank, the developer talent platform I run solo at hirerank.xyz: live with **100+ daily users and paying subscribers, eleven production releases** in. I built the AI scoring pipeline, the payments stack, the GDPR plumbing, all of it. There's a slight irony in this resume reaching you, since HireRank exists because I think hiring engineers on resume keyword density is broken. The resume in front of you was rendered by HireRank itself.

The path here wasn't conventional. I ran retail operations for two years before I started writing production code: a 10-person team, daily excise compliance with state regulators, which is closer to software than it sounds (audit trails, idempotency, the actual cost of compliance). A summer at Tata Technologies on Python ML for manufacturing safety data, then a **Harvard-graduate-led AI fellowship** (Veritas) where I trained neural networks on a 145K-row meteorology dataset. BCA in Data Science from SRM, graduating May 2025. I'd like to keep doing solo end-to-end product work at a place small enough that the work is product, not just tickets.

EXPERIENCE

Founder & Developer

Dec 2025 — Present

HireRank · hirerank.xyz

- **Live at hirerank.xyz with 100+ daily active users and paying subscribers since launch.** Eleven production releases, all solo.
- **Wrote every line of the platform myself:** system architecture, AI scoring pipelines, payments stack, GDPR and DPDP Act 2023 compliance. The thesis: hire developers on what they ship, not on resume keyword density.
- **One engineer, full production discipline:** TypeScript-strict CI on every PR, versioned Prisma migrations only (never db push), idempotent webhooks. Billing, R2 lifecycle, GDPR exports, and customer support all sit with me.

Data Analyst Intern

May 2024 — July 2024

Tata Technologies

- Worked through manufacturing safety data: incident reports, PPE compliance records, near-miss logs. **Found where and when violations clustered.**
- Python tooling for cleaning, stats, plots. NumPy, TensorFlow, Matplotlib under the hood.
- Walked operations leadership through the findings; **several of the recommendations made the next safety protocol update.**

Operations Manager

April 2021 — April 2023

Siddhi Vinayak Enterprises

- Two years running a **10-person retail team**. Owned scheduling, training, and performance reviews.
- Spirits retail in India is heavily regulated. Owned the daily excise compliance filings and licensing documentation across **thousands of monthly customer transactions**.
- Redesigned licensing and reporting workflows with the Department of Excise and Prohibition. **Less paperwork, faster end-of-day close.**

PROJECTS

HireRank, the developer talent platform

hirerank.xyz

Next.js · TypeScript · Postgres · AI

- Smart Match scores resumes against JDs on **4 weighted dimensions** (keyword coverage, impact evidence, experience fit, formatting), then rewrites 6 resume sections to match. OpenAI primary, automatic Gemini fallback on provider errors. A final pass reduces typical AI-content detector scores.

- Moved AI scoring off the request thread onto a QStash background queue, keeping the UI responsive while jobs run. Credit reservations in Redis (5 concurrent/user, 5-min TTL) **prevent double-charges on failure**. A cron job recovers stuck jobs.
- Payments through Dodo as Merchant of Record, so they handle tax. Two-tier credit model. **Idempotent webhook handlers prevent double-credits on duplicate events**. Customer portal, rate-limited at 10 req/min/user.
- Verified Proof-of-Work: GitHub OAuth syncs user repos with tokens encrypted **AES-256-GCM**. Codeforces and LeetCode handles get verified asynchronously through a state machine. Verified accounts get a badge on their public profile.
- Server-side PDF rendering with Typst (3 resume + 3 cover-letter templates, dark mode included). Full ZIP export of user data at any time. Compliance with **GDPR and India's DPDP Act 2023**: consent versioning, hard delete, on-demand export.

ALIA, advanced lecture interactive assistant

alia01.vercel.app • github.com/Terra-01/ALIA

Next.js · MongoDB · AI

- Turns audio lectures into **searchable, queryable knowledge**. Built on Next.js (App Router) and MongoDB Atlas with Mongoose. AssemblyAI does the transcription. Gemini handles summaries, titles, question generation, plus embeddings for search.
- Semantic search across the lecture history. Gemini embeddings stored in MongoDB Atlas Vector Search **match by meaning, not just keywords**.
- Two access modes through Auth.js (NextAuth + Google OAuth). Signed-in users get persistent history; guests run the full pipeline locally with **24-hour auto-cleanup**.
- Public sharing: signed-in users generate a unique link (**cuid2, unguessable**) for any analysis. The shared page is auth-free, renders title, summary, follow-up questions, and full transcript with owner attribution, and can be revoked at any time.
- Plus history rename/delete and a settings page for profile editing, history wipe, and full account deletion.

Rain Prediction Model and Analysis

github.com/Terra-01/Veritas-AI-Rain-P...

Python

- Compared classifiers for next-day rainfall prediction on the Australian Bureau of Meteorology dataset (145K+ daily observations, 23 features). Best result: **85% test accuracy** on a logistic regression baseline.
- Data prep in Python (Pandas, Scikit-learn, imbalanced-learn): median imputation, one-hot encoding for 7 categorical features, MinMax scaling. Random under-/oversampling addressed the **78%/22% class imbalance**.
- Trained a TensorFlow/Keras neural network on the same problem (multi-layer dense, softmax). Part of the **Veritas AI fellowship**, a virtual AI program led by Harvard graduate students; three technical mentors reviewed the architecture.

EDUCATION

Bachelor of Computer Application (BCA)

Graduated May 2025

SRM Institute of Science and Technology · Specialization in Data Science Kattankulathur, TN

Higher Secondary (CBSE)

Graduated May 2021

ST Xavier's School · Mathematics & Science with Computer Science Hazaribagh, JH

SKILLS

Frontend: TypeScript, React 19, Next.js 15 (App Router, RSC, Server Actions), Tailwind CSS v4, Framer Motion, GSAP, Lenis, Three.js, Tiptap, shadcn/ui

Backend & AI: Node.js, Python, Java, PostgreSQL (Prisma 7, pgvector), MongoDB, Upstash Redis, QStash, Auth.js v5, Vercel AI SDK (OpenAI / Gemini), AssemblyAI, Pandas, Scikit-learn, TensorFlow/Keras, Typst

Infra & Tools: Vercel, Cloudflare R2, Neon Postgres, Resend, Dodo Payments, Docker, Git, Bash, Blender