

Harsh Bhanushali

✉ harshbhanu0709@gmail.com 📄 7041132742 📄 in/harshbhanushali0709 📄 harshbhanushali26.github.io

SUMMARY

Agentic AI Developer building modular autonomous systems, RAG pipelines, and structured LLM workflows with cost-aware architecture in Python. Experienced in backend engineering, scalable system design, and production software development.

EXPERIENCE

Full Stack Developer Intern

Symbiosis Systems & Services Pvt. Ltd.

January 2024 - September 2024, Vapi

- Engineered and deployed **3 production web applications** (Office Management, Impex, CityCare) using ASP.NET (C#), SQL Server, HTML, CSS, Bootstrap & JS — improving team workflow efficiency by **30%**.
- Developed **15+ secure backend modules** with optimized SQL queries boosting data retrieval by **20%**; delivered **20+ features** adopted by **15+ daily users**.
- Rebuilt the **complete Impex web application from scratch** under live client requirements; owned 4–5 modules across projects, implemented RBAC & automated workflows with Git-based code integrity across a 3–5 member team.

PROJECT

AI Agent Engine

github.com/harshbhanushali26/ai-agent-engine · February 2026 - Present

- Built a production-grade autonomous AI agent **entirely from scratch in Python** — 4-layer pipeline (cache → pattern router → RAG → LLM) routes **~80% of deterministic queries with 0 LLM calls**, cutting API overhead significantly.
- Integrated **ChromaDB + SentenceTransformer** for RAG personalization with **~30ms semantic search latency**; per-session LLM cost reduced to **~\$0.0005** via token tracking, daily quota enforcement & progressive warnings (50/80/100%).
- Engineered **Planner → Validator → Executor → Responder pipeline** with automatic retry, structured replanning on failure, and telemetry logging across **5 session metrics** (cache hits, pattern matches, LLM calls, tokens, cost).

Finance Agent (CLI)

February 2026 - Present

- Built a standalone CLI-based finance agent supporting **8 natural-language commands** — add, update, delete transactions, daily/monthly/category summaries, live dashboard, and monthly budget management per category.
- Architected with **zero code duplication** by reusing and extending Expense Tracker's core classes and functions — reducing development time by **~60%** through modular Python design.
- Designed config-driven income and budget system allowing users to set **per-category monthly budgets** with real-time tracking — providing actionable financial insights entirely offline with no external API dependency.

Expense Tracker

github.com/harshbhanushali26/expense-tracker · July 2025 - August 2025

- Built multi-user tracker** with secure authentication and **JSON-based offline storage**, handling **1K+ records efficiently**.
- Applied OOP principles** with dictionaries and lists, reducing code complexity by **40%**.
- Delivered analytics** with daily/monthly breakdowns, advanced filtering, and **real-time dashboards** supporting **1K+ transactions per user**.

BrewOps — Café Management CLI

github.com/harshbhanushali26/BrewOps · July 2025 - August 2025

- Building a modular Python + Rich CLI system with **9 independent modules** (auth, menu, orders, analytics, session, CLI layers, shared utils) covering full dual admin/customer workflows.
- Implemented secure password hashing & salting with **auto session timeout (30 min)** and **2-level idle warning system (5-min & 1-min alerts)**.
- Delivered full order lifecycle management (place, view, update, mark paid, filter) and **daily/monthly analytics dashboards** with menu insights — covering **7+ core operational features** across admin and customer portals.

EDUCATION

Bachelor of Engineering in Information Technology's

Government Engineering College, Modasa · Gujarat, India · 2024

SKILLS

• **AI & Agents:** Agentic AI, RAG, LLM Orchestration, Tool-Calling, Memory & Context, Cost-Aware Design, Gemini API, ChromaDB, GROQ API
• **Languages & Libraries:** Python, SQL, C, JavaScript, scikit-learn, NumPy, Pandas, SentenceTransformer, LangChain (Text Splitters)
• **Web & Tools:** HTML, CSS, Bootstrap, ASP.NET (C#), SQL Server, GitHub, Git, VS Code, JSON, CLI
