SACHIN SURESH

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EDUCATION

Dayananda Sagar College of Engineering Bangalore, India
Bachelor of Engineering in Computer Science CGPA: 8.86/10.0
Oct 2023 – July 2027

TECHNICAL SKILLS

- **Languages:** Python, TypeScript, Go, C++
- **Databases:** PostgreSQL, MongoDB, ChromaDB, FAISS, Redis
- **Frameworks & Libraries:** FastAPI, Pydantic, sentence-transfoermer, wandb, Next.js
- **AI/ML:** PyTorch, Scikit-learn, NumPy, Pandas, OpenCV, PEFT, QLoRA
- **Agentic & LLM Stack:** LangChain, LangGraph, LangFuse, HuggingFace, Ollama, n8n
- **Cloud & DevOps:** AWS, Docker, GitHub Actions, Vercel, MLflow, Airflow, DagsHub

EXPERIENCE

Capmob Financial Services *Jun 2026 – Present*
Lead AI Engineer Intern Hybrid

- Architected **Capmob AI**, an SME lending platform on FastAPI + AWS Bedrock: adaptive interview engine, deterministic 50-parameter **CapScore** credit scoring with lender-policy fit, and event-driven document ingestion (S3, SQS, Postgres) with concurrent classification and sub-minute extraction
- Automated **partner onboarding with Zoho**: referral CRM lead sync, Zoho Sign agreements with template prefill, and webhook handling with missed-webhook reconciliation and capped retries; added **KYC autofill** from PDF uploads in a single classify-and-extract call
- Managed **AWS infrastructure** (ECS/Fargate, RDS, ALB, Route 53/ACM, Secrets Manager, KMS, DynamoDB) with CI security gates (Semgrep, Gitleaks, pip-audit, coverage thresholds); built the **company website** on a custom headless CMS, saving $300+/month in licensing

XTrail Consulting Services *Jan 2026 – Jun 2026*
Junior Developer Intern Remote

- Built **production dashboards** (React + Flask) visualizing operational trends across manufacturing pipelines with sub-second response times.
- Designed **agentic n8n automation workflows** integrating custom AI agents, structured JSON parsers, and multi-condition decision logic for end-to-end process orchestration.

PROJECTS

Harness - Custom AI Agent Runtime from Scratch *July 2026*
Python, LangChain, Groq, FAISS, HuggingFace | GitHub

- Engineered a **tool-calling agent** loop from scratch (no LangGraph/AutoGPT) on Groq's `gpt-oss-20b`, wiring 6 tools (web search, weather, calculator, sandboxed code exec, file I/O, email) into a 10-iteration reasoning loop guarded by a dedicated `gpt-oss-safeguard-20b` model screening input, tool calls, and output.
- Built a two-tier memory system - an LLM-distilled **episodic** log feeding a 384-dim FAISS **semantic** index for persistent cross-session recall.

UnBind - AI-Powered Legal Contract Analyzer *March 2026*
Next.js 15, FastAPI, MongoDB, Groq, Razorpay, ChromaDB | Visit | GitHub | npm

- Engineered a full-stack contract analyzer ingesting **PDF, DOCX, and photographed contracts** via Groq vision OCR, fanning out clause-by-clause risk analysis in parallel with SSE progress streaming across an 8-stage pipeline.
- Built a citation-verified Q&A engine **HyDE retrieval** with character-offset source citations alongside an automated deadline-reminder system - deterministic date parsing across 8 resolution classes and an idempotent GitHub Actions sweep - surfacing and emailing contract deadlines before they're missed.
- Hardened payments with **HMAC-SHA256** signature verification and atomic quota enforcement, backed by a **299-test suite** (281 pytest + 18 vitest) gated in CI by ruff, eslint, tsc, and Gitleaks secret scanning, and shipped an npm CLI REPL (`@sachin-0001/unbind`) as a third deployable.

ACHIEVEMENTS

- **BotCraft (2024)** – **Runner-up** among 100+ teams for a Discord automation bot in Python with event-driven architecture and slash-command integrations.
- **CodeChef** – 100 Days Streak Badge; Peak Rating **1210**; **LeetCode** – 50 & 100 Days Coding Challenge badges (2025). & 50 day Coding Challenge badge (2026).