RISHI PRASEETH KRISHNAN

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EXPERIENCE

AI Engineer (Contract) — Veridock AI
2025 — Present

- Built privacy-first invoice automation platform for Indian CA firms
- Designed multi-language OCR pipeline with Claude Haiku integration
- Full-stack: FastAPI backend, Supabase auth, production deployment

Backend Developer Intern — Soften Technologies
May — Aug 2024

- Built Django applications including UN Fundraiser platform
- Designed REST APIs, database schemas, deployment pipelines
- Python, JavaScript, PostgreSQL, SQLite3

3rd Place — ACM Nexus Hackathon 2026
Jan 2026

- Team RRR: built Sentinel, a real-time piracy detection system in 24 hours
- Dual-mode fingerprinting achieving 95% accuracy, <90s enforcement

FEATURED PROJECTS

FixMyPrompt LIVE
fixmyprompt-five.vercel.app

Next.js 16 · Supabase · Gemini Flash-Lite · Lemon Squeezy

- Production SaaS: prompt engineering training with ELO gamification
- 561+ challenges, 18-module academy, real payment infrastructure

Hybrid Cognitive Runtime
github.com/thylacinehq/HybridCognitiveRuntime

Python · FastAPI · MCP SDK · SQLite · NetworkX · 20K+ LOC

- Persistent AI agent memory: 40+ MCP tools, 41% token savings vs stateless baselines
- Causal event graphs, BOCPD-based episode segmentation, 20+ test files

TARS
github.com/CodedRichy/TARS

Python · SQLite · 37 test files · 100% auditable

- Self-hosted AI agent with traceable decisions and explainable parameters
- Hash-chained action ledger, multi-tier model router with cost receipts

GitPulse
github.com/CodedRichy/GitPulse

TypeScript · Next.js · React Ink · MCP SDK · 18K+ LOC

- AI-powered Git guardrails: MCP server (10+ tools), CLI, web dashboard
- Convention learning from commit history across 3 surfaces

Sentinel
Team project · 114 commits

Python · Flask · OpenCV · librosa · React · Groq

- Real-time piracy detection: video pHash + audio mel-spectrogram fusion
- 95% detection accuracy, enforcement window under 90 seconds

EDUCATION

B.Tech Computer Science
Muthoot Institute of Technology & Science
2024 — 2028

TECHNICAL SKILLS

Languages	Python, TypeScript, JavaScript, Verilog
Frontend	Next.js, React, Flutter, Tailwind, React Ink
Backend	FastAPI, Flask, Django, Node.js
AI / ML	Claude API, MCP SDK, Groq, Gemini, Ollama
Data	PostgreSQL, Redis, SQLite, Supabase, Neo4j
Tools	Docker, Git, CI/CD, Vercel, Netlify

FOCUS AREAS

- AI-native architecture & stateful reasoning
- MCP server development (50+ tools shipped)
- Multi-agent orchestration
- Developer tooling & CLI
- Production shipping & deployment

OTHER PROJECTS

Sonder — Discord OS: 70+ commands, React dashboard, virtual economy, sentiment analysis

Intent Compiler — Goal → multi-agent workflow compiler with quality scoring

Expenso — AI expense tracker, 187+ tests, Flutter + Groq

LiteCPU16 — 16-bit single-cycle CPU in Verilog, Harvard architecture

CodeSense AI — Codebase → Neo4j knowledge graph with NL queries

ObsidianBridge — GitHub↔Obsidian real-time sync with AI tagging