Galaba Vamsi

Software Engineer (Full-Stack, AI Agents) | New Grad, May 2027 galabavamsi12@gmail.com
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SUMMARY

I ship full-stack products and AI agents to production; co-founded 2 startups; 15 merged PRs at 3 YC robotics startups.

EDUCATION

B.Tech. in Mechatronics, Indian Institute of Technology (IIT) Bhilai Aug 2023 – May 2027
Coursework: Data Structures and Algorithms, OOP, AI and ML, Deep Learning for Computer Vision

EXPERIENCE

Co-founder, Human Slop (anti-AI social app) | humanslop.in Mar 2026 – Present
- Built and run the web and Android app (Google Play, 50+ downloads): Expo, Fastify API, PostgreSQL on Supabase.
- Added a device-biometric check at signup and a keystroke-timing heuristic that flags likely AI-written posts.

Co-founder, Robotropic (physical-AI startup) | robotropic.com Oct 2026 – Present
- Lead the change gateway of Harness, which rolls out robot policies (VLA checkpoints) with safety checks and rollback.
- Built robotropic.com: a three.js lidar factory scene and an early-access list on Cloudflare Workers and D1.

Research Intern, IIT Bhilai | Advisor: Dr. Arzad Alam Kherani May 2025 – Jul 2025
- Built RIS-SIM, an open-source Python radio emulator with SDR-style interfaces; co-author, IEEE INDICON 2025.

PROJECTS

Urumi MCP Gateway: one AI-tool (MCP) endpoint for a whole team Oct 2026
TypeScript, React, PostgreSQL, Kubernetes, Helm, AWS | github.com/Galabavamsi/urumi-mcp-gateway | app.urumi.humanslop.in
- Gave each team member all MCP servers through one URL and a personal API key (stored as HMAC).
- Added role-based tool permissions, rate limits, a per-user audit log, and human approval before write actions.
- Wrote 2 MCP servers (WooCommerce over OAuth 1.0a, a supplier catalog); Prometheus metrics with p50/p95 latency.
- Deployed on AWS EC2 with k3s; rebuilt the stack from scripts; 321 tests; end-to-end suites pass on production.

Pehchaan: voice-clone fraud detection for UPI payments (team of 2) Oct 2026
Python, FastAPI, Kotlin (Android), PyTorch | Top 8 Grand Finalist of 4,500+ teams, RAKSHAM | github.com/Galabavamsi/pehchaan
- Led backend and ML: a FastAPI risk API that decides in 3.95 ms (p95) and a Kotlin Android SDK for payment apps.
- On two real phones, a consented cloned-voice call moved a payment from pay to hold in 14 s.

Charter: agentic commerce (Razorpay AI Buildathon) 2026
TypeScript, Fastify, React, PostgreSQL, Docker | github.com/Galabavamsi/charter | live (test mode): charter.humanslop.in
- Routed chat, voice and an 11-tool MCP server through one checkout API, so AI agents get no side door to payments.
- Enforced PostgreSQL row-level security; CI tests against Postgres, then deploys to AWS Lightsail via GitHub OIDC.

sremu: timed radio-control emulator 2026
Python, ZeroMQ, GNU Radio | solo, built with Claude Code | github.com/Galabavamsi/sremu
- On AWS, 99.8%+ of control commands sent 4 ms ahead took effect at their exact radio sample; 2,136 passing tests.

OPEN-SOURCE CONTRIBUTIONS

HFlow, Hebbian Robotics (YC S26): 8 merged PRs, 7 issues filed (all fixed) Sep 2026 – Oct 2026
Robot training-data SDK | Python, Apache Arrow | github.com/Hebbian-Robotics/hflow
- Fixed robot-log export silently dropping any field missing from the first message (PR #657); 9 regression tests.
- Unified path-safety checks across the CLI, API server and Python SDK, 13 files (PR #360).

Inspect Robots, Robocurve (YC S26): 2 merged PRs, 3 in review, paper co-author Sep 2026 – Oct 2026
Evals for LLM and VLA robot policies | Python | github.com/robocurve/inspect-robots
- Merged: configurable LLM-API retries honoring Retry-After across 5 protocols, 22 test cases (PR #476).
- Published inspect-robots-wandb on PyPI: Weights & Biases logging for robot-policy evals, 100% test coverage.

Cerulion (YC S24), open-source robot operating system: 5 merged PRs, 4 issues filed Oct 2026
Rust | github.com/cerulion-inc/cerulion
- Made ros2 attach --dry-run work outside a workspace: new Rust module, 217 lines, 8 tests (PR #216).

SKILLS

Languages: TypeScript, JavaScript, Python, SQL, Rust, Dart, Kotlin
Web and mobile: React, Node.js (Fastify, Hono), FastAPI, React Native (Expo), Flutter, REST, WebSockets
Data and cloud: PostgreSQL (row-level security), Supabase, Docker, Kubernetes, Helm, AWS, Prometheus, Git, CI/CD
AI: LLM APIs, AI agents and tool use, Model Context Protocol (MCP), agent evaluation, Claude Code, PyTorch

ACHIEVEMENTS

- Top 8 Grand Finalist of 4,500+ teams, RAKSHAM AI Cybersecurity Hackathon (IIT Delhi, I4C and Amazon), 2026
- 1st place, IIT Bhilai Web Development Competition; 5th of 23 IITs, Arista challenge, Inter IIT Tech Meet 14.0 (2025)
- All India Rank 747 (2025) and 200 (2026), Amazon ML Challenge (team); Top 1% in JEE Advanced

PUBLICATIONS

- Co-author, *Inspect Robots: Evaluating the Capabilities and Safety of Embodied AI* (Robocurve), CoRL 2026 workshop
- Co-author, 2 RIS papers: IEEE INDICON 2025 and *Ad Hoc Networks* (Elsevier, 2026)