

755	85	2 ×	2026
GitHub stars earned	forks across public repos	IISF hackathon runner-up	B.Tech CS, expected

Summary

Final-year CS undergraduate who ships developer-facing systems end to end. Built **FableCut**, a browser video editor that AI agents drive over the Model Context Protocol — 701 stars, Hacker News front page, listed in the official MCP registry. Technical lead at KesariX Technology, delivering client platforms in production; comfortable from YOLOv8 fine-tuning down to a JavaScript compiler written in C.

Experience & Selected Work Feb 2024 – present

FableCut · open-source video editor · 2026–present CREATOR

- ROLE** Browser-based non-linear video editor whose entire timeline is one JSON document, so an AI agent can cut video over MCP or REST while a human watches the same timeline update. Designed, built and maintained solo.
- ACTIONS** Wrote the whole editor with **zero npm dependencies** behind a single node server.js: timeline, canvas compositor, decoded audio waveforms, keyframes and transitions. Made the project file the interface — an MCP server and REST API drive the same JSON timeline, and the UI hot-reloads in ~150ms over server-sent events.
- IMPACT** **701 stars and 74 forks in three months**, now at v1.10 with GPU colour grading, a full audio mixer and ripple, roll and slip editing. Reached the Hacker News front page, a Trendshift badge and DEV’s top 7 of the week; listed in the official MCP registry and in awesome-mcp-servers, with a Discord community forming around it.

KesariX Technology · software studio · Apr 2026–present TECHNICAL LEAD

- ROLE** Technical lead at a studio delivering AI agents, web platforms, mobile apps and workflow automation to clients. I own scoping, architecture, delivery and the client conversation on the projects I lead.
- ACTIONS** Shipped ManPowerpay HMS, a hospital management system now running in production for a client. Built reusable internal scaffolding so a new client project starts from a working, conflict-free stack instead of a blank folder, and published the same assembler openly on npm.
- IMPACT** Client software runs in production rather than in demo. New projects start from a full stack in **under 3 minutes**, and the tooling ships publicly as @systemlabs/foundation-cli rather than staying locked inside the studio.

VMC Road Damage Detection · civic AI platform · Sep–Dec 2025 PROJECT ENGINEER

- ROLE** AI pothole-monitoring platform for the Vadodara civic body, built as project engineer during a Tinkering Hub internship at Parul University: citizens report defects, a vision model scores them, administrators track resolution.
- ACTIONS** Fine-tuned **YOLOv8** on road-damage imagery and served it behind a Flask API. Built the citizen reporting flow in React over a Node backend, plus the admin dashboard tracking a report from detection to resolution, and coordinated delivery with the municipal team.
- IMPACT** Delivered a working detect, report and resolve loop to a city government rather than a notebook demo, across a 4-month project engineering internship. Model and platform ship as separate repositories so each can be reused independently.

Lynx · multi-agent research platform · 2026 CREATOR

- ROLE** Business research platform: name a company and 15 agents fan out across free public data sources, streaming into four synchronised views. Solo build, backend and frontend.
- ACTIONS** Built an async FastAPI orchestrator that streams agent progress over SSE, with per-source HTTP caching and rate limiting behind one adapter interface. Wired **15+ free sources** (SEC EDGAR, Wikidata, GDELT, public ATS boards) and kept the LLM optional: a provider fallback chain plus a full no-LLM degraded mode.
- IMPACT** One query yields a live dashboard, a knowledge graph of ~9 node types and ~22 typed edges, a generated documentary and a careers board — every fact carrying a source citation, and the whole run still completing with no LLM key present.

Developer tools built solo, shipped in public, and maintained in the open. The range runs from a compiler front end in C to LLM inference streamed off NVMe, and upstream: a retrofit-governance tutorial and runnable example merged into microsoft/agent-governance-toolkit (5.9k stars). Cumulative GitHub: 755 stars · 85 forks · 22 public repositories.

deepseek-v4-in-c	C99 · 284B DeepSeek-V4 in 3.2 GB of RAM, off NVMe	★ 21	LapDeck	Node.js + PWA · phone as a remote deck for a laptop, no cloud	★ 9
Foundation CLI	TypeScript · dependency-aware full-stack assembler · npm	★ 7	Burrow	TypeScript · voice-driven research canvas, local-first, bring your own key	★ 6
Aero	Python · zero-dependency terminal coding agent	★ 1	Dragoon	C · lexer, parser and codegen targeting the QBE backend	maintained

RECOGNITION

FableCut reached the [Hacker News front page](#) and DEV's top 7 of the week within a month of release, earned a Trendshift badge, and was accepted into the official Model Context Protocol registry alongside a listing in awesome-mcp-servers. Because the editor carries no dependency tree, every fork runs it with no build step.

Judgment & Conviction

2026	Bet on MCP early	2026	Zero dependencies on purpose	2025	Ship to a city, not a notebook
	Wired an MCP server into FableCut while the protocol was still new, instead of shipping one more AI-video API. It is now listed in the official MCP registry and in awesome-mcp-servers.		Wrote the timeline, compositor and waveform decoding by hand rather than pulling an npm tree into a video editor. Install is one node server.js, so contributors run it with no build step.		Chose to build reporting and an admin dashboard around the pothole model rather than stopping at detection metrics, so the civic body received a system it could operate.

Core Skills

AI AGENTS & MCP	Model Context Protocol servers and REST control planes that make an application drivable by an agent; multi-agent orchestration with SSE progress streaming; provider-agnostic LLM fallback chains.
LANGUAGES & SYSTEMS	C, Python, TypeScript, JavaScript. Built Dragoon, a working JavaScript compiler in C with hand-written lexer, parser and code generation targeting the QBE backend; zero-dependency JavaScript where a dependency would cost more than it saves.
WEB & PRODUCT	React, Next.js, WebGL, Node.js, FastAPI, Flask, WebSockets, server-sent events. Full products shipped, not demos: e-commerce marketplace, hospital management, realtime chat, 3D geospatial.
APPLIED CV & ML	YOLOv8 fine-tuning, OpenCV, TensorFlow, CNNs. Trained and served detection models behind Flask APIs for a civic deployment rather than leaving them in a notebook.
DATA & INFRASTRUCTURE	PostgreSQL, MongoDB, Redis, Docker, GitHub Actions, Linux. Publishes tools to npm and maintains public documentation sites for the ones other people install.

Education & Recognition

Parul University, Vadodara · B.Tech, Computer Science	2022 – 2026
Recognition · Smart India Hackathon selectee · IISF hackathon runner-up (2×)	2024 – 2025
Certifications · NPTEL (2025) · Tableau certified (2025) · HackerRank Python (2023)	2023 – 2025