

DHRUV PURI

Founding AI/ML Engineer Forward Deployed Engineer SDE

Built production stacks 0→1 at three startups — bioprinting → GenAI video → agentic fintech

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SUMMARY

Founding engineer three times over — I've built production stacks from zero at a bioprinting company, a GenAI video startup, and now an agentic fintech. At JuiceLabs I owned an end-to-end video generation pipeline shipping to leading FMCG and e-commerce brands at millions of impressions a month, and consulted directly with enterprise customers on deploying AI in their own stacks. I go deep across the stack — production AI, full-stack, and infrastructure — and adapt fast to whatever a problem or customer needs.

EXPERIENCE

Reach Finance

Bengaluru, India • Jul 2026 – Present

Founding AI/ML Engineer

- Built **Reacher**, a WhatsApp-first AI finance companion for India (SEBI-aware, DPDP-compliant) that pairs a 24/7 AI with human experts. Architected the multi-service platform from zero — memory + RAG, multi-model orchestration, and a safety/compliance pipeline — on Python/FastAPI/Postgres, deployed on AWS.

JuiceLabs.ai

Bengaluru, India • Oct 2025 – Jul 2026

Founding AI/ML Engineer

- Owned the video generation pipeline end-to-end: idea → script → storyboard → multi-shot → reference frames → final video, length-agnostic. Multi-phase agentic architecture with user-approval gates, per-atom review, and asyncio-parallel multi-model orchestration across Opus 4.6, gpt-image-2, Seedream 4.5, and Seedance 2.0. FastAPI + GCP + direct OpenAI/Anthropic/Google SDKs. Shipped to **leading FMCG and e-commerce brands — a top-4 Indian FMCG conglomerate, a global e-commerce leader, and India's largest online grocer** — at millions of impressions a month, gated by a cross-family LLM-as-judge layer that cut manual review to near zero.
- Worked directly with enterprise customers deploying AI in their own environments — discovery, integration, and enablement — and ran weekly **Claude Code** sessions for the 20-person engineering team.

Sytolab / Kreator3D

Bengaluru, India • Jan 2024 – Oct 2025

Founding Software Engineer

- Sole engineer on a 3D-printer HMI used by researchers in organ regeneration. Built the React + Flask UI, an OpenCV computer-vision module, and embedded-Linux (Raspberry Pi) hardware integration. Print accuracy +50%, setup time -30%.

Paytm

Delhi, India • Jan 2023 – Jan 2024

Software Development Engineer in Test

- Python automation framework for device and high-volume REST-API testing across 10M+ transactions; Jenkins CI/CD with AWS (S3, DynamoDB, Boto3), SQL, Kafka. 50% faster cycles, 50+ critical bugs caught pre-release, post-release issues -20%.

SELECTED PROJECTS

CardHint — Ad-free credit-card comparison platform, 500+ active users. React, TypeScript, Tailwind, Vite.

Agentic RAG System — Natural-language → SQL with text/table/chart output, conversational memory, rate limiting, SQL-injection protection. Python, LangGraph, Azure OpenAI, SQLite.

OpenAI Parameter Golf — Research entry to OpenAI's 2026 16MB-LM challenge: n-gram oracle + online expert ensemble in the artifact budget, autoresearch agent for sweeps, 3 reproducibility bugs reported upstream. Python, PyTorch.

SKILLS

Languages Python, TypeScript, JavaScript, Go, SQL, C/C++

Frameworks React, Next.js, FastAPI, Flask, Node.js

LLMs & Agents Multi-agent systems, NLP, LangGraph, LangChain, MCP, A2A, x402, RAG, vector DBs (ChromaDB, Qdrant), fine-tuning (LoRA/QLoRA), LLM-as-judge evals, prompt engineering (JSON/XML/YAML), vLLM, Ollama

Generative AI Claude (Opus/Sonnet), GPT-5, Gemini, Seedream, Seedance, multimodal synthesis, diffusion models

ML & Data PyTorch, Transformers, Hugging Face, Computer Vision (OpenCV, YOLO), Pandas, Matplotlib

Cloud & DevOps AWS (S3, DynamoDB, Boto3), Docker, Kubernetes, Jenkins, Terraform, GitHub Actions

Data & Practices PostgreSQL, MongoDB, Redis, Supabase · forward-deployed delivery, solutions engineering, rapid prototyping, REST APIs, microservices, CI/CD, end-to-end ownership