Sunny Narzary

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Technical Skills

- **Languages**: Python, TypeScript, JavaScript, Go, SQL, Bash, C/C++
- **AI / ML & Agents**: LLMs, AI Agents, Multi-Agent Systems, RAG, LangGraph, LangChain, Vertex AI, Gemini, MCP, LLM Evals, Prompt Engineering, Hybrid Search, Agentic Workflows, AI Code Review
- **Voice & Speech**: Voice AI, Speech-to-Text, Text-to-Speech, WebSocket Streaming, ElevenLabs
- **Backend & Frameworks**: FastAPI, Node.js, REST APIs, Microservices, Event-Driven Architecture, Socket.io
- **Databases & Storage**: Firestore, Redis, MongoDB, MySQL, Google Cloud Storage, AWS S3, Azure Blob Storage
- **APIs & Integrations**: OAuth 2.0, JWT, Webhooks, Razorpay, Zerodha Kite Connect, Anthropic API, Groq
- **Cloud, DevOps & Observability**: GCP, AWS, Azure, Terraform, Docker, CI/CD, GitHub Actions, Cloud Run, Firebase, Vercel, Sentry, Linux, Cloud Armor (WAF), Secret Manager
- **Tools**: Git, GitHub, Claude Code, Codex, Cursor, Postman, Linear, JIRA

Education

- **Indian Institute of Technology Guwahati** *2020 - 2024*
  B.Tech, Mathematics and Computing Guwahati, India
  - Ranked in the **top 0.2%** of **1M+** candidates in JEE 2020.
  - Won **Gold Medal** in the NFT module at Kriti 2023, IIT Guwahati's annual technical competition.
  - Elected **Secretary** of the HMC Board, IIT Guwahati (2022–23).

Experience

- **Optima** *Dec. 2025 - Present*
  Product Engineer (Founding Team) Mumbai, India
  - Building an agentic **multi-agent software factory** orchestrating parallel coding agents on **multiple frontier models**, with cross-model review, **model routing** and usage-aware admission control; **2,800+** tests.
  - Building a **SWE-bench**-style **agent evaluation harness** (hermetic **Docker** grader, **LLM-as-judge** council) on a **Tailscale**-meshed remote agent lab.
  - Architecting cloud-native **AI workers** on **GCP** from a **178**-lane autonomous research program; built a **sanitization pipeline** cataloguing **1,217** candidate AI-data assets.
  - Engineered a fully autonomous **operations agent** that eliminated an ops hire: headless **Playwright** on event-driven **Cloud Run Jobs**, zero-touch daily close before market open.
  - Designed a **RAG** agent (**Vertex AI**, **Gemini**) and a real-time **voice agent** (**LangGraph**, **Sarvam AI**, **Silero VAD**).
  - Architected a PII-isolated **microservices** backend: **274** APIs, an **MCP** server, **308 Terraform** resources, **21** cron jobs and **8,800+** tests; a tiered **CI/CD** pipeline cut PR build time up to **80%** (**15→3** min).
  - Built an event-driven **trade execution engine** (**Kite Connect**, **VWAP**, **GBM** simulator) and a fault-tolerant **Account Aggregator** pipeline (**Finvu**) with **XIRR**, **Sharpe** and **Sortino** analytics.
  - Led the **PMS** (**Rs. 100+ Crore AUM**) and **compliance engine** with reconciliation across **3** custodians; represented engineering to **HNI** clients and partner Vice Presidents.
  - Built **ICICI eCollection** (per-client **VANs**, idempotent webhooks, **5 s** SLA) and **KYC** onboarding (**Signzy** and **HyperVerge** OCR, **MSG91** OTP, **e-sign**, **eStamp**).

- **Tradepeeps** *Apr. 2024 - Nov. 2025*
  Full-Stack Software Developer New Delhi, India
  - Engineered **60+ REST APIs** in **Node.js (TypeScript)** on MongoDB with **Google OAuth**, **JWT**, **bcryptjs** and RBAC; delivered **zero-failure Razorpay** payments and a company-wide **Coin** system for subscription cancellations.
  - Designed scalable storage and communication systems using **Azure Blob Storage**, **Multer**, **Redis**, **Azure Communication Services**, **SMSCountry**, and **Firebase** for OTPs, notifications, and media handling.
  - Integrated **Zerodha APIs**, built real-time features with **Socket.io** and **Azure Web PubSub**, and improved deployment efficiency **50%** via **Bitbucket Pipelines** CI/CD and **Docker**.

Projects

- **Kato**: 3D AI robot, LLM chat (**Groq**) on a **BM25F+RRF** retriever; **+7** pts recall@5 vs keyword search.
- **AI Usage Sidebar**: **VS Code Marketplace** extension showing live **Claude Code**, **Codex** and **Cursor** usage limits.
- **Gmail MCP Server**: Read-only **MCP** server (**OAuth**) treating email as untrusted input against **prompt injection**.
- **Deck**: Keyboard-only **Go**/**Bubble Tea** TUI for GitHub PRs, **CI/CD** runs and deployments.
- **Also Built**: **3D Asset Pipeline** · **Android Focus Launcher** · **Browzer** (Flutter) · **Lid-Awake** (macOS) · *and more*