

Oikantik Basu

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github.com/Golden007-prog

Summary

Applied-AI engineer who evaluates frontier LLMs professionally and ships the systems he measures. Writes RLHF scoring rubrics and hallucination-detection metrics as contract work; builds multi-agent workflows, RAG retrieval and document/OCR pipelines over async FastAPI services on GCP and AWS, with evaluation and guardrails designed in rather than bolted on.

Experience

Founder, GOLDEN's Coreforge – Bengaluru, India July 2026 – present

- Founded and shipped goldensdmat.in, a German dMAT exam practice platform on Supabase with cross-device sync, leaderboards and a 295-question bank.
- Wrote TypeScript generators that machine-check every question before serving: figure sequences must pass a unique-inferability check, equation systems are brute-forced to exactly one whole-number solution, Latin squares verified so every completion agrees on the answer cell.

AI Agent Specialist (Contract), Mindrift – Remote June 2025 – present

- Build multi-agent evaluation workflows validating Python logic and reasoning traces from frontier LLMs against engineering-correctness standards.
- Design RLHF scoring rubrics and hallucination-detection metrics; mentor peer contributors on evaluation practice. Previously contracted with Outlier (May-Jun 2025) building evaluation rubrics for training-data quality.

Data Science Intern, Unified Mentor Pvt. Ltd. – Gurgaon, India Mar 2025 – June 2025

- Surfaced workforce-attribution drivers from IBM HR Analytics data via EDA and regression modelling; built SQL pipelines for time-series analysis of TCS stock trends.

Projects

ShieldFlow – 8-agent merge-request compliance pipeline GitLab Hackathon

- Architected an 8-agent pipeline (ChangeRisk, ThreatModel, Compliance, ClaudeReview among them) on GitLab merge-request webhooks, retrieving policy rules through a RAG knowledge base and posting a severity-scored review comment back to the MR in about 60 seconds.
- Mapped findings to SOC 2, GDPR and HIPAA controls with human-in-the-loop sign-off; hardened to 120 passing automated tests. Python 3.12, FastAPI, Cloud Run, Gemini and Anthropic Claude.

PULSE – 6-agent stadium operations engine 48-hour build

- Built a 6-agent orchestration layer (root Orchestrator on Gemini 2.5 Pro composing five Flash specialists) via Google ADK's AgentTool pattern across event-driven microservices on Cloud Run.
- Wrote a parallel counterfactual simulator replaying the timeline with every agent action suppressed; against that no-agent baseline the demo showed 47% lower wait time and 38% lower peak density, across nine GCP services at \$0.63 total Vertex AI spend.

Sankalp – 5-agent multilingual citizen-services agent Hack2skill PromptWars 3

- Built a five-agent flow routing across Gemini 2.5 Flash and Pro, with Cloud Vision OCR reading Indian voter ID cards to pre-fill and verify applications – document-heavy identity work of the same shape as KYC intake.
- Served 7 Indian languages and 7+ government services against live Election Commission data on Cloud Run (asia-south1) with Firestore state.

Education

University of Pittsburgh, MS in Data Science (Online), in progress Sept 2025 – Feb 2027

Techno International New Town, BTech in Computer Science and Engineering, CGPA 8.22/10 – Kolkata, India Oct 2020 – July 2024

iHUB DivyaSampark @ IIT Roorkee, in Agentic Systems and Design (training program, in progress) Jan 2026 – present

Technologies

AI: Multi-agent orchestration (Google ADK, LangGraph, AutoGen, LangChain), agent evaluation, hallucination detection, RLHF rubrics, RAG and vector search (Vertex AI, FAISS, Chroma), multi-provider LLMs (Anthropic Claude, Gemini, OpenAI), PyTorch, JAX/Tunix, GRPO, fine-tuning, Hugging Face

Engineering: Python (async), TypeScript, SQL, FastAPI, Pub/Sub, GCP (Cloud Run, Vertex AI, BigQuery, Firestore), AWS (Lambda, Bedrock, DynamoDB), Supabase, Docker, CI/CD, automated testing

Recognition: AI for Bharat (AWS + Hack2skill) Top 36 finalist, grand finale; Smart Bengal Hackathon 2023 invited mentor; Google Developer Student Clubs 2023