

ADVAIT DHARMADHIKARI

Applied AI Engineer & Technical Advisor · LLM · RAG · Agentic Systems · Solutions Architecture · Evaluation Frameworks

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PROFESSIONAL SUMMARY

Applied-AI engineer and technical advisor who builds and ships production LLM applications and partners with founders and engineering teams to turn them into adopted products. Hands-on across RAG architectures, agentic workflows, semantic search, context engineering, and model evaluation frameworks, with production delivery on the Claude Developer Platform (Claude Sonnet 4.6). Pairs builder credibility with an operations and business-analytics foundation: led ML-driven optimization across a 300+ aircraft fleet at IndiGo, and today architects AI-first products end to end while balancing model performance, cost, latency, governance, and real-world usability. Comfortable in Python and modern LLM tooling and integration patterns; communicates fluently across technical and executive audiences. Currently completing an MSc in Business Analytics at UCD Smurfit.

CORE COMPETENCIES

AI & LLM Systems: LLM application development, RAG pipelines, agentic workflows, semantic search, prompt engineering, context engineering, vector databases / embeddings, model evaluation frameworks, hallucination reduction

Customer-Facing & Technical Advisory: Technical discovery, technical evaluations / proofs of concept, solution architecture, founder & engineering-team enablement, executive communication, stakeholder management, requirements gathering

Programming & Data: Python, SQL, REST APIs, machine learning, predictive modelling, data analysis, AutoML

Cloud & Platforms: Microsoft Azure, Google Cloud Platform (GCP), Supabase, OAuth 2.0, Gmail API / Microsoft Graph

Product & Strategy: AI product management, product roadmapping, go-to-market, pricing strategy, MVP-to-scale delivery

Security & Governance: GDPR compliance, PII masking, AES-256 encryption, prompt-injection protection, audit logging, data governance

Methodologies: Agile, Scrum, MLOps, AI evaluation, product lifecycle management

PROFESSIONAL EXPERIENCE

Founding Engineer / Artificial Intelligence Consultant — Frensei (ClawbackVault AI)

Dublin, Ireland · May 2026 – Present

- Partnered directly with the Founder/CEO as technical advisor on product strategy, pricing-tier design, and go-to-market timing, owning a four-phase roadmap from MVP to platform scale.
- Architected and shipped a targeted-surveillance watchlist system on the Claude Developer Platform (Claude Sonnet 4.6), replacing full-inbox scanning and cutting LLM API token spend per broker by 80–90% while strengthening privacy compliance.
- Built and ran the model evaluation framework signal precision, confidence calibration, and cost/latency trade-offs used to select Claude as the right foundation for the use case.
- Designed a four-tier signal-detection engine classifying client-churn signals across 15+ behavioural categories with tiered confidence scoring and a full evidence-trail audit log.
- Engineered a three-stage pipeline (header scan, PII-masked body fetch, LLM signal classification) with email bodies processed in-memory and never persisted, meeting CASA Tier 2 and Google OAuth Restricted Scope requirements.
- Implemented AES-256-GCM encryption at rest, PII masking ahead of every LLM call, prompt-injection protection, OAuth revocation recovery, GDPR data-portability export, and Supabase row-level tenant isolation across EU-West and Asia-Pacific.
- Integrated Gmail API and Microsoft Graph via OAuth 2.0 with a two-pass fetcher and REST API integration patterns.

Technical Lead — Artificial Intelligence & Product Management — Frensei

Dublin, Ireland · Dec 2025 – May 2026

- Led an AI-first intelligence platform from zero to scale, owning both applied-AI architecture and product strategy.
- Designed agentic AI systems with planning, execution, verification, and feedback loops for complex research workflows.
- Developed LLM-powered pipelines spanning RAG, semantic search, long-context reasoning, and tool-using agents.
- Established AI evaluation practices that reduced hallucinations and improved output consistency by 40%.
- Drove technical hiring, role definition, and architectural standards across AI, backend, and frontend teams while balancing model performance, cost, latency, and reliability in production.

Teaching Assistant — Digital Technologies in Business — University College Dublin

Dublin, Ireland · Jan 2026 – May 2026

- Taught digital transformation, data-driven decision-making, AI, and analytics across lectures, tutorials, and workshops.
- Guided 150+ students through case studies and assignments, sharpening the ability to translate complex technical concepts for non-technical audiences.

Business Analyst — IndiGo (InterGlobe Aviation Ltd)

Gurugram, India · Jan 2024 – Aug 2025

- Led ML-driven optimization initiatives — aircraft zero-fuel-weight prediction and on-time-performance cost models delivering ~20% operational cost savings across a 300+ aircraft fleet.
- Owned end-to-end requirement definition and stakeholder alignment in a techno-functional environment, translating business objectives into executable analytics and product roadmaps.
- Served as technical partner to operations and Business Technology stakeholders, delivering data-driven decision support for large-scale operational decisions.

Business Intelligence Engineer — IndiGo (InterGlobe Aviation Ltd)

Gurugram, India · Jun 2023 – Dec 2023

- Delivered production-ready BI and insight frameworks in a cloud-enabled analytics environment (GCP, Azure), supporting cross-functional teams and leadership.
- Led requirements gathering, problem analysis, and solution design, applying new product parameters and reporting logic to improve decision quality by 30%.

Business Development Analyst, Team Lead — CHRIST Consulting

India · Jun 2021 – Jun 2022

- Led a 15-member analyst team across market-entry and growth-strategy engagements, structuring problems and synthesising insights into executive-level presentations.
- Drove a 25% increase in new-business acquisition through data-driven, client-facing recommendations in competitive markets.
- Enabled ~15% improvement in client renewals and upsells via analytical assessments and proposal development.

Earlier Experience: Business Analytics & Machine Learning Mentor, topmate.io (2025–2026); Data Science / Business Intelligence Internships — IndiGo, LetsGrowMore, The Sparks Foundation, EntryLevel (2020–2023).

EDUCATION

MSc, Business Analytics — UCD Michael Smurfit Graduate Business School, Ireland

Expected Aug 2026

Post Graduate Professional Certification, Artificial Intelligence & Machine Learning — IIT Kanpur, India

2023 – 2024

BBA, Business Analytics & Data Science — Christ University, Bangalore, India

2020 – 2023

CERTIFICATIONS & PROFESSIONAL DEVELOPMENT

Google Project Management Professional · Data Strategy · BCG Advanced Analytics & Data Science (Virtual Experience) · Relational Data on Azure · Data Visualization & Analytics Experience Program · Google Business Intelligence Professional

SELECTED PROJECTS & HONOURS

Projects (published): esgprofiler · finfeatures · Finance AutoML · MLOpter · Fraudguard

Honours: UCD Advantage Award, University College Dublin

Languages: English (Professional), Hindi & Marathi (Native/Bilingual)

Podcasts: The Business Technologist, 5 Minute Boosters