

Anusha Acharya

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WORK EXPERIENCE

Midstream, San Francisco, CA

May 2026 – Present

Member of Technical Staff - (Engineer #7)

- Leading document **extraction** and owning contract ingestion for **8+ health systems** with **\$100B+ in combined net patient revenue**, transforming unstructured documents into structured data that powers financial **agents** and workflows
- Building a generalized **extraction harness** with execution traces and **human-in-the-loop** feedback to curate gold-standard datasets
- Developing internal eval **benchmarks** and hillclimbing loops to improve extraction accuracy across document types

Pipelines, San Francisco, CA

Dec 2025 – May 2026

Founding Engineer - (#1)

- Built a full-stack **AI R&D platform** for multi-modal data collection, LLM generation, and model **evaluation**, with a visual DAG workflow engine, state machine orchestration, **MCP tool** integration, and multi-tenant RBAC, enabling AI teams to replace fragmented tooling with a unified pipeline
- Developed a 3 tier **evaluation** infrastructure (**programmatic, LLM-as-judge, and human rating**) with versioned criteria, agentic **synthetic data generation** with quality gates, and multi-type dataset management
- Architected async pipeline orchestration with composable **workflow chains**, cross-workflow field mapping, specialized worker pools for LLM generation and tool execution, and analytics; deployed on **GCP** with **Cloud Run** and **Firebase**

Meta, Menlo Park, CA

Oct 2023 – Dec 2025

Software Engineer

- Enabled on-device **voice and NLP integration** for Meta Ray-Ban AI's voice assistant with Dexcom API, enabling **real-time** voice-delivered glucose insights and **autonomous reminders** triggered by user thresholds and conditions
- **Owned and scaled Instagram's incremental revenue reporting pipeline**, attributing **\$3B+ annual revenue**, and built a self-serve version used by **1,000+ engineers** to inform launch decisions and align with corporate finance
- Trained Instagram's Follow prediction model on **user behavior signals, re-engineering training data and introducing a weighted Follow Quality Score** to improve **model accuracy and stability by 21%**
- Developed an **agentic AI** system that fine-tunes an **LLM** to analyze codebases, trace logic flow between start/end points, and autonomously generate workflow automations using natural language
- **Developed an internal portal using React** to surface top-performing Instagram ad content, fixing a **16% impression under-reporting issue** by debugging the logging pipeline; extended visuals to include **CTA, captions, profile details**, improving ad preview fidelity and audience insights
- Led technical efforts for the **Reels Ads Follow Button** launch, adding native-like follow functionality; achieved a **+0.42% lift in ad score**, and initiated expansion of this feature to Feed and Stories placements

Bloomberg, New York, NY

Software Engineer

Feb 2023 - Oct 2023

- Implemented a troubleshooting tool by developing a robust logging system that recorded **10 million** daily queries and responses. The data was stored in an **AWS S3** bucket using a **Kafka** consumer
- Built a **data quality validation tool** for a backfill worker, ensuring **consistent and accurate** data population

Sandvik Asia, Bangalore, India

Data Specialist

Jul 2019 – Apr 2021

- Owner of End-to-End Digital Services solution for the Austria division, from data architecture, design, and build to customer-specific report generation leveraging **MySQL, Azure Analysis Services, and Power BI**
- Built a decision tree model on live Telemetry and maintenance data to predict loader breakdowns, supporting automation of trucks and loaders at post-blast mining sites and reducing the downtime by **15%**

SKILLS

Computer Languages : Python, C, C++, Java, SQL, TypeScript, PHP, Hack

Technologies : PyTorch, Git, React, Next.js, FastAPI, Redis, Celery, AWS S3, GCP, Firebase, Azure, PostgreSQL

EDUCATION

UNIVERSITY OF MASSACHUSETTS, Amherst, MA

Master of Science in Computer Science

R.N.S INSTITUTE OF TECHNOLOGY (VTU), Bangalore, India

Bachelor of Engineering in Computer Science

PROJECTS

Multi-Agent Negotiation Environments

2026

- Built multi-agent RL environments (**Catan-based trading** and ground-truth-graded **bargaining markets**) for evaluating LLM negotiation, with self-verifying replays of every scoring claim