

# HRISHIKESH KAMATH

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## EDUCATION

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### University of Delaware

Master of Science in Electrical & Computer Engineering  
GPA: 3.7/4.0

Newark, DE

Aug 2023 – May 2025

Research: ML techniques for hardware security and LLM applications for Verilog code generation

### RV College of Engineering

Bachelor of Engineering in Electrical & Electronics Engineering

Bangalore, India

Aug 2016 – Dec 2020

## EXPERIENCE

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### StrataLens AI | [www.stratalens.ai](http://www.stratalens.ai)

Founder

San Francisco, CA

Jan 2025 – November 2025

- Conducted customer discovery with analysts at various financial firms: private equity and asset management companies.
- Built equity research agent that synthesizes earnings calls, SEC filings, and real-time news to answer complex financial queries
- Developed SEC filings sub-agent achieving **91% accuracy** on FinanceBench benchmark with latency-optimized RAG pipeline
- Built text-to-SQL stock screener using **DuckDB** for natural language financial queries
- Tech stack: **Python, FastAPI, PostgreSQL, Redis, TypeScript, React, Logfire** and **Langchain**

### Mbd.xyz

Summer Research Engineer

Remote

Jun 2024 – Aug 2024

- Built end-to-end data pipeline: daily ingestion via **Selenium**, transformation with **AWS Glue**, and analytics on **74M** historical Community Notes using **AWS Athena**, reducing dashboard compute time by **30%**
- Built topic clustering with transformer embeddings to surface misinformation patterns across multilingual Community Notes

### Ederlabs

Founding Software Engineer

Bangalore, India

Oct 2020 – Jun 2023

- Built backend for privacy-focused data sandbox using **Python, FastAPI, Celery, PostgreSQL**, and **AWS Nitro Enclaves**.
- Translated customer requirements into technical specifications and delivered tailored solutions
- Developed data ingestion pipelines with **Airbyte** integrations and automated PII detection/redaction tooling
- Designed and deployed CI/CD pipelines using **Docker, GitLab CI/CD, Kubernetes** and **Terraform** on **AWS**.

## PROJECTS

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### Web Search Engine

2026

- Built fault-tolerant distributed web crawlers in **Rust** across **5 instances** with **politeness policies** and **Redis** queue coordination, storing **10M+ tech-focused pages (200GB)** in **AWS S3** with metadata in **PostgreSQL**, provisioned via **Terraform**
- Built full-text search over crawled corpus using **Tantivy** inverted index with **BM25** ranking and a **search UI** for querying curated tech content

### TheMarketCast.ai | [themarketcast.ai](http://themarketcast.ai)

2025

- A platform for parsing and analyzing SEC Form D filings, enabling investors to track private fundraising activity in real time
- Attracts **3,000+ organic weekly users** via SEO/GEO optimization with real-time tracking of **450,000+ filings**
- Stack: **Python, PostgreSQL, Redis, PostHog**; enriched filings with company data via **Exa**

### Financial Podcast Platform

2024

- Built real-time AI podcast platform using **OpenAI Whisper** and **GPT-4o** with **Celery** workers for async audio generation
- Developed **React** frontend with **WebSocket** streaming for live audio updates, backend in **Python** deployed on **AWS**
- Organically acquired **50+ users** in early beta with portfolio-based personalized podcast generation on-demand
- Implemented market data pipeline processing 9,000 tickers every 20 minutes using **SERP API** and **Redis** caching

## OPEN SOURCE CONTRIBUTIONS

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### PySyft, OpenMined

Core Contributor

Remote

2019 – 2022

- Performed code reviews and planned SyMPC library roadmap for privacy-preserving ML framework
- Implemented FALCON protocol operations - first Python implementation of honest-majority maliciously secure framework for private deep learning