

Yamini Vibha Ananth

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Education

Columbia Engineering

B.S., Applied Math, minor in Computer Science. GPA: 3.83/4.0

Awards: Dean's List x7; [Coca-Cola Scholar](#); hackNY [Fellow](#) - 1 of 20 from 2.3k+, [MCM](#) International Awardee

Affiliations: Rewriting the Code, Society of Women Engineers (Columbia). Girl Scouts (Gold).

Experience

AI Engineering Intern

Celonis- CeloAI / MAKE (Series D, valuation \$13b)

New York City
June 2023-Present

- Developed a natural language interface for building no-code automations in [Make](#) using **LLMs, Python**.
- Built LLM system architecture (incl. PostgreSQL embeddings database, information retrieval, prompting, post-processing, and built-in benchmarking suite) as a Python package & series of REST API endpoints.
- Collaborated with a team of SWEs to integrate functionality, API endpoints in Node.js production code.

Data Science Intern

Resera Capital (Pre-Seed)

New York City
April-June 2023

- Implemented ML algorithms using **sklearn, xgboost, LLMs** for extracting sentiment and topic from news headlines on portfolio firms of interest and integrating results with downstream financial models

AI/ML Fellow

Cornell Tech Breakthrough AI

New York City
August-December 2022

- Deployed ML model for identifying fraud in Barclays financial data; made training set using unsupervised cut-gradient trees (**Python/xgboost**); Deployed using **AWS SageMaker, PySpark**, and API endpoints.

Data Science Intern, hackNY Fellow

Oden Technologies (Series A, valuation \$35M)

New York City
June-August 2022

- Implemented and feasibility tested neural net ML model for finding ideal outcomes in customer time-series data w/ **tensorflow, Python**, projected to save \$63k+/yr downstream. Deployed internally using **GCP AI Platform** w/ CI/CD (**Terraform, Airflow**) and benchmarked against heuristic method.
- Optimized **Apache Beam** Java data pipeline by reducing lookup method runtime 60%, saving \$10k+/yr.

Data Engineer Research Intern

M.D. Anderson Cancer Research Center

Houston, TX
June-August 2021

- Used **Python, Bash, & Jupyter** in **Neptune AWS server** to develop **ETL pipeline** for genetic data.
 - Conducted data cleaning, exploratory analysis, visualization with **Pandas/PostgreSQL**; published [poster](#).
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Teaching & Mentorship

Fellowship Mentor (2023), Fellow (2022)

hackNY Fellowship Program

New York City
May-August 2023

- Reviewed applications, performed technical interviews to admit 13 hackNY fellows from a pool of 500+
- 1:1 mentored 3 fellows in early tech career. Co-organized 18 technical talks around NYC with CTOs.

Teaching Assistant

Columbia University Applied Math & Computer Science

New York City
Jan 2021-May 2023

- Teach 2000+ students CS, Math across 7+ courses (incl. AI, Discrete Math, ODE, etc) in **Python/SQL**
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Skills

Programming Languages: Python, Java, Bash, JavaScript, CUDA

Databases/DS Tools: Tensorflow, PyTorch, sk-learn, xgboost, Hadoop, SQL, duckdb, Pinecone

Platforms/Services: Kubernetes/Docker, Airflow, GCP stack (incl. AI Platform), AWS stack (incl. SageMaker), Apache Beam, Apache Spark, Hadoop

LLM Tools/APIs: LangChain, GPTIndex