Sameer Narendran

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EDUCATION

Master's in Computer Science, *University of Illinois Urbana Champaign, IL*   Aug 2025 — Present
  Relevant Coursework: Natural Language Processing, ML & Compilers, Distributed Systems
Bachelor of Science in Computer Science, *University of Wisconsin Madison, WI*   Sep 2021 — May 2025
  GPA: 3.97/4.00, Majoring in Computer Science, Math, Honor Student, Dean's List, Phi Beta Kappa Member
  Relevant Coursework: Data Structures & Algorithms, Operating Systems, Languages & Compilers, Artificial Intelligence
            Game Theory, Linear Algebra, Numerical Methods, Computer Networks, Databases, Probability Theory

EXPERIENCE

Undergraduate Research Assistant   Jan 2024 — Present
University of Wisconsin Madison   *Madison, WI*
- Studied group dynamics of LLMs and aggregation techniques across LLM responses
- Built a custom guesstimation dataset of Fermi-type questions and future prediction questions
- Evaluated different methods of deriving estimates for guesstimation tasks on dozens of models
- Built data pipelines from survey data to LLMs and developed checkpointing and caching systems on GPU clusters
- Published papers to NeurIPS Behavioral ML 2024, EMNLP 2025, submitted to ACL 2025, COLM 2025

Undergraduate Researcher   Sep 2023 — Dec 2023
Madison Experimental Mathematics Lab   *Madison, WI*
- Evaluated recent research on aperiodic tilings and Heesch numbers of polyforms
- Developed and optimized a method for converting polykite tiling problems into boolean satisfiability problems in Python

Analytic Software Engineering Intern   May 2023 — Aug 2023
Teradata Inc.   *San Diego, CA*
- Designed scalable AI feature store architecture and database schema to store feature versioning, lineage, and analytics
- Built Python SDK and REST API for programmatic management of features and retrieval of data

Data Science Engineering Intern   May 2022 — Aug 2022
Teradata Inc.   *San Diego, CA*
- Built hyperparameter tuning framework (Grid, Random, Bayesian Search) from scratch for Teradata machine learning functions.
- Designed External Stored Procedure for hyperparameter tuning on table data.
- Created method to score Teradata stored data by dynamically loading Dataiku model JARs.

SKILLS

Languages	Java, C, C++, Rust, Python, Go, SQL, JavaScript, HTML/CSS, MATLAB
Tools	PyTorch, Docker, Linux, Git, AWS, React, NodeJS, CUDA, Tensorflow

PROJECTS

Computer Science Interview Prep Helper   Feb 2024
Personal Project   *github.com/sameer-n012/interview-prep*
- Generates computer science interview questions based on user-specified topics with a React frontend
- Used ChromaDB to retrieve relevant example questions with RAG and insert them into a Google Gemini prompt
- Created a caching system on the server using an in-memory database to store recently generated questions

Facial Recognition Attendance Application   Nov 2022
University of Wisconsin Madison   *github.com/sameer-n012/cheesehacks-2022*
- Identified students on a video stream and marked them as present by matching them to their official photo using the Inception-ResNet model and cosine similarity
- Created Flask backend to manage database and run the facial recognition model and React frontend to manage user sign-ups and let teachers see which students were present

AWARDS & HONORS

Phi Beta Kappa Honor Society	Jan 2024
CheeseHacks 2022 Winner	Nov 2022
MathWorks Math Modeling Challenge	May 2021