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Sameer Narendran

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Portfolio: narendran.dev

EDUCATION

Bachelor of Science in Computer Science, *University of Wisconsin Madison, WI* Sep 2021 — May 2025
GPA: 3.97/4.00, GRE Score: 339/340, Majoring in Computer Science, Math, Honor Student, Dean's List, Phi Beta Kappa Member
Relevant Coursework: Data Structures & Algorithms, Operating Systems, Theory of Computation, Artificial Intelligence
Linear Algebra, Numerical Methods, Computer Networks, Databases, Real Analysis, Probability

High School Diploma, *Academy for Information Technology, NJ* Sep 2017 — Jun 2021
GPA: 95.42/100, ACT Score: 36/36, National AP Scholar, High Honor Roll Student

EXPERIENCE

Undergraduate Research Assistant Jan 2024 — Present
University of Wisconsin Madison
Madison, WI

- Studied group dynamics of in LLMs and the "Wisdom of the Crowd" phenomenon
- Evaluated different methods of deriving estimates for guesstimation tasks on dozens of models
- Wrote and submitted an analysis of results in research paper

Undergraduate Researcher Sep 2023 — Dec 2023
Madison Experimental Mathematics Lab
Madison, WI

- Studied recent papers on aperiodic tilings and Heesch numbers of polyforms
- Developed software for converting polykite tiling problems into boolean satisfiability problems

Analytic Software Engineering Intern May 2023 — Aug 2023
Teradata Inc.
San Diego, CA

- Designed industry-level AI feature store architecture and database schema
- 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 hyper-parameter tuning framework (Grid, Random, Bayesian Search) for Teradata machine learning functions.
- Created 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, Javascript, HTML/CSS, Python, MATLAB, SQL
Tools REST API, PyTorch, NumPy, Pandas, Git, React/Redux, NodeJS

PROJECTS

Computer Science Interview Prep Helper Feb 2024
Personal Project github.com/sameer-n012/interview-prep

- Web application that generates computer science interview questions for users based on user topics
- Uses retrieval-augmented generation (RAG) to prompt an LLM using a database of past interview questions

Facial Recognition Attendance Application Nov 2022
University of Wisconsin Madison github.com/sameer-n012/cheesehacks-2022

- Built web application using React and Flask to visually recognize students for taking attendance
- Used ResNet and Cosine Similarity to match student images to their official photo

AWARDS & HONORS

CheeseHacks 2022 Winner Nov 2022
HackUC III Best Web Design Oct 2018
MathWorks Math Modeling Challenge Honorary Mention May 2021

ACTIVITIES

FIRST Robotics Team 1257 Sep 2018 — Jun 2021
Built autonomous, teleoperated robot drivetrain and robot runtime dashboard

National Honor Society Sep 2020 — Jun 2021