

Nikhil Datar

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Education

Harvard University

Cambridge, MA

A.B. CANDIDATE IN COMPUTER SCIENCE AND STATISTICS

Aug. 2021 - June. 2025

- Relevant Coursework: Machine Learning, Probability, Theoretical Linear Algebra, Quantitative Finance
- Activities and Societies: Harvard College Consulting Group, Group for Undergraduates in Statistics, Harvard Foreign Policy Initiative

Hamilton Southeastern High School

Fishers, IN

VALEDICTORIAN, SAT: 1570/1600

Aug. 2017 - June. 2021

- National Merit Scholar, Rising Star of Indiana
- Ball State University Dual Credit Math Program: Multivariable Calculus, Linear Algebra, Differential Equations

Work Experience

Harvard Medical School, Department of Biomedical Informatics

Boston, MA

MACHINE LEARNING RESEARCH INTERN, RAJPURKAR LAB

Feb. 2022 - Present

- Contributed to developing a deep learning model for endotracheal tube position detection from chest radiographs and patient reports.
- Used Python (pandas, numpy, pytorch) and AWS (EC2, S3) to fine-tune a pretrained ML model for automatic annotation and analysis of three publicly available chest x-ray datasets.

Indiana University School of Medicine, Department of Ophthalmology

Indianapolis, IN

DATA ANALYSIS RESEARCH INTERN, BHATWADEKAR LAB

Jun. 2020 - Aug. 2020

- Identified and compared significant canonical pathways of altered circadian rhythms in db/db mouse model.
- Used Ingenuity Pathway Analysis software to identify two novel protein targets for potential disruption mechanism.

Projects

Harvard College Consulting Group

Cambridge, MA

ANALYST

Feb. 2022 - Present

- Worked in a six-person case team to develop a comprehensive supply chain distribution model for a Fortune 100 food and beverage company.
- Performed market research and interviewed industry experts to contextualize trends and direct subsequent research.
- Used Python's pandas library to analyze internal inventory and sales data, ultimately proposing a new distribution model that increased demand fulfillment by 9.1%.

NBA Info

Cambridge, MA

SOFTWARE DEVELOPER

Nov. 2021 - Dec. 2021

- Built a web application using flask, jinja, sqlite3, HTML, CSS, and a basketball Rapid API for a central NBA informational hub.
- Allowed users to view scores of the NBA's most recent games, add cash to their account, and bet on upcoming games.

Honors & Awards

2020-2021 **Two-Time US National Chemistry Olympiad Finalist**, Top 215 in the nation, Score: 36

2021 **We The People Government National Finalist + Indiana State Champion**, Top 11 in the nation, Unit 4

2020 **National Economics Challenge State Runner-Up**, Adam Smith Division

2017-2021 **Chess National Top 100 Juniors**

2017 **Indiana Scholastic State Champion**, Dewain Barber National Tournament of Champions Invitee

2020 **IDEAA Prototyping Challenge State Champion**

Skills

Proficient: Python, Java

Familiar: HTML/CSS, JavaScript, React, SQL, C, C++, AWS (EC2, S3), IPA