ROHAN BANSAL

r@rohan.page

EDUCATION

Stanford University   *September 2021 - (Expected 2024)*
B.S., Computer Science and Mathematics
GPA: 4.1/4.0

Central High School   *August 2017 - May 2021*
Valedictorian
Cumulative GPA: 4.0 UW, 5.0 W
Class Rank: 1/364

RESEARCH/WORK EXPERIENCE

Data Science/Maching Learning Intern   June 2022 - September 2022
SmarterDX

· Leading ML experimentation at startup working on analyzing and predicting missed medical diagnoses
· Conducting end-to-end pipeline development, including data wrangling, designing modelling frameworks, and integrating into results output

Machine Learning Researcher   September 2021 - Present
Independent Research

· Working with Adamo Young (University of Toronto), Dr. Gabe Reder (Stanford University) and Dr. Jaan Altosaar (Columbia University) on training transformers for mass spectrometery analysis
· Comparing results to current state-of-the-art approaches to automated mass spec analysis

Core Engineer   August 2021 - Present
Diamond DAO

· Creating data pipelines to provide metrics and analysis on a variety of blockchain related data and build a Web3 Knowledge Graph.
· Setup and coordinate on code base and AWS setup with other engineers and developers
· Develop appropriate structure, ontology and storage for large amounts of data in raw and database form
· Generate insights and metrics dashboards, including full stack development with design and backend updating, on various NFT projects (such as CryptoCrystals and Arweave (via Multicoin)
· Company raised over $1,000,000 in the pre-seed funding round

Machine Learning Engineer   March 2020 - April 2021
The Browser

· Built, deployed, and published an end-to-end machine learning based recommender system for editors at The Browser (70k+ users) alongside their Science Advisor, Dr. Altosaar
· First author of peer-reviewed paper published at a top recommender systems conference workshop (INTRS @ RecSys) and presented work at ACM Conference
· Open source work is currently being tested and implemented by other organizations (such as inkl.com)

SKILLS

Python, C++, Embedded Systems, Machine Learning, Teamwork, Communication

ACTIVITIES

Student Body President   July 2020 - May 2021
Central High School

· Elected by student-body of 1800
· Organized blood drive to support local Red Cross
· Worked with League of Women's Voters to register high school students to vote
· Led student cabinet in hosting events and boosting student engagement during the pandemic

Varsity Basketball Starter   October 2019 - March 2021
Central High School

· Team Captain
· Helped lead team to best season in 5 years

Debate   October 2017 - December 2019
Novice/Varsity Debater   *Central High School*

· Drafted cases on various global political issues such as drug prices, climate change, and firearm policy
· Achieved 1st place in domestic extemporaneous speaking at largest debate tournament in Missouri
· Argued about pressing Constitutional topics in front of law scholars and judges

AWARDS

National Merit	Finalist	2020
Physics Olympiad	Qualified for USAPhO (1 of 2 in Missouri)	2020
Mathleague State Competition	1st place individual overall	2020
Mathematics Olympiad	3x AIME Qualifier (Top 0.5% in US)	2020,19,18
TSA	State Tech Bowl Champion	2020
National Honor Society	Inducted Member	2020
redpwnCTF Cybersecurity Competition	Placed 7th Nationally	2020
PicoCTF Cybersecurity Competition	Placed 11th Nationally	2019
FBLA Business Mathematics	Qualified to Nationals	2017

TESTING

ACT	36/36
PSAT	1520/1520
SAT Math II	800/800
SAT Chemistry	800/800
SAT Physics	800/800
IB Mathemtics AA HL	7/7
IB Chemistry HL	7/7
IB Psychology HL	7/7
IB English HL	6/7
IB Global Politics SL	7/7
IB Spanish B SL	6/7