

Arunabh Sarkar

arunabhsarkar.org
636.667.8055 | aas363@cornell.edu

EDUCATION

CORNELL UNIVERSITY

BS IN DATA SCIENCE

May 2024 | Ithaca, NY

UNIVERSITY OF UTAH

BS IN COMPUTER SCIENCE

May 2021 | Salt Lake City, UT

Dean's List

Cum. GPA: 4.0

Major GPA: 4.0

HIGHLAND HIGH SCHOOL

Grad. May 2020 | Pocatello, ID

Summa Cum Laude

Cum GPA: 4.2

LINKS

Github:// [arunxbh](#)

LinkedIn:// [arunabh-sarkar](#)

Medium:// [arunxbh](#)

COURSEWORK

INCOMING:

Data Structures

Functional Programming

Linear Algebra

Discrete Structures

Networks

Statistical Theory and Application

COMPLETED:

Object-Oriented Programming

Engineering Calculus

Engineering Physics

Foundations of Computer Science

Principles of Microeconomics

SKILLS

TECHNICAL SKILLS

Programming Language(s):

Java • Python • Solidity • JavaScript

Proficient Technologies and Libraries:

JavaSwing • TensorFlow • Numpy •

Pandas • Web3 • Blockchain

Applications:

Microsoft Suite • Apple Suite • Google

Suite

SOFT SKILLS

Trilingual Communicator (English, Bengali,

Hindi) • Public Speaker • Innovative and

Critical Thinking • Sudoku Enthusiast

EXPERIENCE

TRIBUNAL CAPITAL | QUANTITATIVE RESEARCHER

June 2021 - Present | San Francisco, CA

- Developing quantitative knowledge in tokenomics and NFT marketplaces, producing research results which achieves pure risk managed alpha.
- Optimizing an arbitrage trading strategy for Tribunal's Algorithmic Liquidity Fund, maximizing firm revenues.

CORNELL BLOCKCHAIN | RESEARCH AND DEVELOPMENT ANALYST

September 2021 - Present | Ithaca, NY

- Conduct research on blockchain products from Ethereum exchanges to zero knowledge proofs.

GLOBAL MARKET ANALYSTS CORNELL | GENERAL ANALYST

September 2021 - Present | Ithaca, NY

- Conduct research on markets relating to domestic and international pressures.
- Analyzed and publishing a Fall report on the impact that cyber attacks have had on sectors of emerging market economies.

ROWLAND HALL-ST. MARK'S SCHOOL | ADJUNCT INSTRUCTOR

July 2020 - Present | Salt Lake City, UT

- Instruct high school students in debate practices such as civil argument, public speaking, and research strategy on macroeconomics, nuclear policy, cybersecurity, healthcare, and political theory.
- Coached students to rank in the top 3 percent of debaters in the world.

PROJECTS

A* PATHFINDER APPLICATION | DEVELOPER

April 2021 - May 2021 | Pocatello, ID

- Developed a PyGame application to visualize the A* path-finding algorithm.
- Implemented interactive GUI for users to find shortest and most efficient path between selected nodes.
- Source code is open source on GitHub

SORTING ALGORITHM VISUALIZER | DEVELOPER

April 2021 | Pocatello, ID

- Developed a Java Swing application to visualize data sorting algorithms.
- Integrated 3 different sorting algorithms running in time complexities $O((N)\log N)$ and $O(N^2)$.
- Implemented merge sort, insertion sort, and selection sort to organize 200 unsorted data points.
- Source code is open source on GitHub

HONORS AND AWARDS

2021 Vice President

2020 9th/180

2020 International

2020 National

2019 7th/253

2019 83rd Youth Governor of Idaho

Cornell Effective Altruism

Tournament of Champions Top Speaker, UK

Tournament of Champions Debate Octofinalist

National Debate All American

National Debate Tournament Semifinalist

YMCA Youth in Government