

Arunabh A. Sarkar

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EDUCATION

CORNELL UNIVERSITY

BS IN DATA SCIENCE

Expected: May 2024 | Ithaca, NY

UNIVERSITY OF UTAH

BS IN COMPUTER SCIENCE

Transfer: May 2021 | Salt Lake City, UT

HIGHLAND HIGH SCHOOL

Grad: May 2020 | Pocatello, ID

LINKS

Github:// [arunxbh](#)

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

Medium:// [arunxbh](#)

COURSEWORK

INCOMING:

Introduction to Data Science

Financial and Managerial Accounting

Probability Models and Inference

Statistics II

COMPLETED:

Introduction to Financial Engineering

Practical Tools in Operations Research,

Machine Learning, and Data Science

Design and Programming for the Web

Discrete Mathematics

Object-Oriented Programming

Data Structures

Engineering Calculus

Engineering Physics

Statistics I

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) • Critical Thinker • Public Speaker

• Sudoku and Rubik's Cube Enthusiast

EXPERIENCE

GALAXY DIGITAL | SUMMER ANALYST

June 2022 – Present | New York, NY

- Incoming Summer 2022 - Research Team

CORNELL BLOCKCHAIN | RESEARCH AND DEVELOPMENT ENGINEER

September 2021 – Present | Ithaca, NY

- Generating research on blockchain products from Ethereum exchanges to zero knowledge proofs.
- Implemented a Bellman-Ford Algorithm to create a triangular arbitrage trading bot on decentralized exchanges.

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.

EPSILON NU TAU CORNELL | VICE PRESIDENT OF FINANCE

December 2021 – Present | Ithaca, NY

- Manage and oversee finances for the first and only professional fraternity for entrepreneurs at Cornell to ensure successful brotherhood operations.

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

July 2020 - Present | Salt Lake City, UT

- Coached high school students foreign and domestic policy topics, resulting in student placement among 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

2020 9th/180

Tournament of Champions Top Speaker, UK

2020 International

Tournament of Champions Debate Octofinalist

2019 7th/253

National Debate Tournament Semifinalist