

Pascal Adhikary

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EDUCATION

University of Illinois at Urbana-Champaign

Expected May 2023

B.S. Computer Science

GPA 4.0/4.0

- Relevant Coursework: Discrete Structures, Software Design Studio, Linear Algebra, Discrete Mathematics, Calculus 3

Illinois Mathematics & Science Academy

May 2020

- Relevant Coursework: Advanced Java, Differential Equations, Linux & Cybersecurity, Graph Theory, Web Development

EXPERIENCE

Northwestern University, Chicago, IL, *Research Intern*

May '19 – June '20

- Designed multiple algorithms in Python to solve the Multi-commodity flow problem, simulating mathematical models
- Optimized consumer advertising prices considering uncertainty via analyses and cleaning of datasets (NumPy, Matplotlib)

Radiant Crypto Consulting, Chicago, IL, *Software Engineering Intern*

June '18 – Aug '18

- Deployed and developed cryptocurrency and stock market trade algorithms in Python through QuantConnect i.e., Arbitrage, VWAP, TWAP, POV
- Directed the creation of prospectus for clients on consensus mechanisms, volatility, and sustainability of cryptocurrencies -maintaining professionalism as well as expertise in client interaction

SKILLS

Programming Languages: Java, Python, C++, Solidity SQL, PHP, Javascript, CSS

Tools: Node.js, Git, NumPy, Matplotlib, Linux Bash, Bootstrap4, Android Development

PROJECTS

Supply Chain Simulator (Solidity, Npm, Truffle, Ganache, Metamask, Web3.js)

- Building a fraud-proof, full-stack decentralized supply-chain simulator through smart contracts atop the Ethereum blockchain to be implemented in classes at the Gies College of Business as part of the UIUC Disruption Lab

Visionary (Kotlin, Google Cloud API)

- Collaborated to create a mobile application which translates any image to speech for the visually impaired user as part of University of Waterloo's Hack The North 2019

Brokerr (Kotlin, Firebase)

- Formulated and created a full-stack social network application of motivation in which money is bet on a personal goal, and if not achieved is donated to charity

HONORS

1st in State - Coding & Programming, 2019, 2018

Future Business Leaders of America

- Developed a full-stack database management application for a mock business in SQL and Java, and scored highest on a computer systems & architecture exam

1st in Overall Project (Python, Flask)

HackTogether

- Implemented the priority-based scheduling algorithm used in CPU processes into a homework multitasking tool for students