Pratham S. Rawat

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EDUCATION:

Cornell University – Ithaca, NY   *Expected Aug. 2021 – May 2024*
  Study: Pursuing B.S. in Information Science with a Concentration in Data Science
  Transferred Fall 2021

Stony Brook University – Stony Brook, NY   *Aug. 2020 – May 2021*
  Study: Pursued Double Major in Computer Science and Applied Mathematics
  Honors: Recipient of Full Tuition Merit-Based Scholarship, University Scholars, Honors Society
  Courses: Data Structures, Foundations of Programming, Digital Intelligence, Calculus III, Linear Algebra
  GPA: 3.81/4.00   *ACT:* 35/36

Stuyvesant High School – New York, NY   *Class of 2020*
  Study: Focused on Computer Science coursework
  Honors: Advanced Regents Diploma
  Courses: Systems Level Programming, Software Development, Artificial Intelligence

EXPERIENCE:

Fidelity Investments – Remote   *June 2021 – Aug. 2021*
Software Engineer Intern (Application Security Team)
  - Built data analytics tools and automations that significantly helped managers quantify team productivity
  - Researched software products to strengthen Fidelity's credential management and secure products further
  - Participated in weekly team-wide meetings, learned to develop software with security in mind
  - Presented research findings in a slide deck and demoed code projects to senior level management teams
  - Excel in a fast paced, Agile/Kanban, corporate environment in multinational company

Cryptonomic – Brooklyn, NY
Software Engineer Intern   *July 2019 – May 2021*
  - Led project design and development for blockchain backed financial services and online marketplaces
  - Optimized SQL queries to bring significant performance improvements to data intensive API endpoints
  - Authored efficient and scalable smart contracts to back NFT and Credential-Management projects
  - Automated containerized blockchain infrastructure to simplify developments on rapidly updating networks
  - Coordinated with offshore employees and contractors on different software projects and UI/UX design

Stuyvesant High School Robotics Team – New York, NY
President (Software Engineering Department)   *Sept. 2016 – June 2020*
  - Elected by a team of 100+ to lead robot code development and manage team logistics
  - Directed research into Computer Vision, Motion Profiling, PID Tuning, and other systems
  - Monitored, mentored, and managed the education of 50+ new members with no prior software experience
  - Spearheaded the use of task lists and public to-do lists improve communication and organization

PERSONAL PROJECTS:

Cryptocurrency Arbitrage Bot
  - Use decentralized exchanges and algorithmic stablecoins to profit from market inefficiencies
  - Build mathematical models to execute profitable trading strategies

Stock Market Direction Forecasting using Google Trends
  - Design and train neural networks in TensorFlow to predict intraday S&P 500 (ticker: SPY) movement

TECHNICAL SKILLS:

  Proficient: Java, JavaScript/TypeScript, C, Python, Docker/docker-compose, Solidity, react (native/redux)
  Familiar: C++, SQL, Google API, Scala, OCaml, R, Swift, AWS