RUSTOM ICHHAPORIA

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SUMMARY

- Internationally published Illinois student seeking opportunities in tech that drive actionable discovery.
- Creator of industry-level, data-driven software that has driven multi-million dollar corporate projects.
- Diverse experience with research publications, project management, entrepreneurship, and open source.

EXPERIENCE

IMC Trading — *Quantitative Trading Intern*   Jun. 2022 - Aug. 2022
- Serving as a quantitative trading intern at one of the world's leading market-making firms.

IBM — *Artificial Intelligence Research Intern*   Aug. 2021 - Dec. 2021
- Conducted research at IBM's Center for Cognitive Computing Systems Research (under NDA).

Twitter — *Machine Learning Engineer Intern*   Jun. 2021 - Aug. 2021
- Architected end-to-end, production NLP system which categorizes 500 million tweets daily in multiple languages.
- Designed budget for a closed-loop crowdsourced model prediction feedback loop that sources thousands of users.
- Coordinated cross-functional teams to address ethical approaches to US and Brazilian political data being analyzed.

Motorola Solutions — *Data Science Intern*   Jan. 2021 - May 2021
- Constructed Python web dashboard for $5 M user-facing cybersecurity analysis with hundreds of corporate clients.
- Coordinated data pipelines between two companies under acquisition to streamline data for security platforms.

Illinois Risk Lab — *Artificial Intelligence Research Intern*   Aug. 2020 - Dec. 2020
- Constructed predictive statistical models from scratch for AI-Powered financial lifecycle planning.
- Facilitated full-fledged data science pipeline: dataset selection to ensemble modeling for eventual deployment.

Alphathena — *Machine Learning Intern*   Jun. 2020 - Aug. 2020
- Processed and transformed data pipelines with billions of data points for a fintech startup.

Northwestern University — *Data Science Research Intern*   Jun. 2019 - Jan. 2020
- Served as lead researcher for an analysis of virtual team self-assembly network dynamics using R and SQL.
- Authored "Network Predictors for Self-Assembled Team Formation" (>2200 downloads) and second citation.

Fermilab National Accelerator Laboratory — *Data Science Research Intern*   Aug. 2018 - May 2020
- Refreshed antiquated data structures to modern standards that are still in use, doubling efficiency.
- Authored two publications and presented work to physics research groups at two conferences.

EDUCATION

University of Illinois @ Champaign — *B.S. in Computer Science and Statistics*   Grad. 2023
- James Scholar Honors Student; Dean's List (top 10%).
- Mentored undergrads as code reviewer and teaching assistant for Software Design Studio.
- Received seed funding from entrepreneurship pitching competitions for a crowd-sourced fact-checking startup.

Illinois Mathematics and Science Academy — *High School Diploma*   2017 - 2020

LANGUAGES & SKILLS

Python | C++ | C# | Java | R | SQL

Pandas | ReactJS | PyTorch | TensorFlow | Shell/Bash | Google Cloud