# RUSTOM ICHHAPORIA

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## SUMMARY

- Internationally published Illinois James Scholar seeking opportunities in ML/AI that drive actionable discovery.
- Creator of industry-level data-driven software that has driven multi-million dollar corporate projects.
- Diverse experience with research (4 publications), project management, entrepreneurship, and open source.

## EXPERIENCE

**IBM** — *Artificial Intelligence Research Intern (Incoming)*                    2022
- Incoming artificial intelligence research intern at IBM's Center for Cognitive Computing Systems Research (C3SR).

**Twitter** — *Machine Learning Intern*                    Jun. 2021 - Aug. 2021
- Serving as a machine learning intern for the Civic Integrity team at Twitter.

**Motorola Solutions** — *Data Science Intern*                    Jan. 2021 - May 2021
- Constructed Plotly Dash dashboard for $5 M user-facing cybersecurity analysis with hundreds of corporate clients.
- Coordinated data pipelines between companies under acquisition to maximize utility for ActiveEye security platform.
- Crafted actionable anomaly detection systems to protect both private and public sector systems that save lives.

**Illinois Risk Lab** — *Artificial Intelligence Research Intern*                    Aug. 2020 - Dec. 2020
- Constructed predictive statistical models from scratch for AI-Powered Lifecycle Financial Planning research.
- Facilitated full-fledged data science pipeline: dataset selection to ensemble modeling for eventual deployment.
- Served as sub-group leader and independently leveraged hardware-accelerated computing clusters.

**Alphathena** — *Machine Learning Intern*                    Jun. 2020 - Aug. 2020
- Preprocessed and trained on diversified financial datasets with over 3 billion data points for a fintech startup.
- Utilized Python pandas and misc. financial packages on remote VM hosted on Google Cloud infrastructure.
- Fashioned a user-friendly interactive data explorer with statistical plots using Streamlit.

**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" (>1800 downloads) and second citation.
- Awarded $1K scholarship to present research at conferences in Europe and the United States.

**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
- GPA: 4.0; James Scholar Honors Student; Dean's List (top 10%); credits completed: 90/120.
- Mentored undergrads as code reviewer and course assistant for Software Design Studio.
- Graduated from the Stanford AI 4 ALL program for AI skill development.
- 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 -------------------------------------- Git | Bash | Jupyter | Pandas | ReactJS | Scikit-learn