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 Python, C++, Java, R, SQL, research (4 publications), entrepreneurship, and open source.

EXPERIENCE

Twitter — *Machine Learning Engineer Intern*   Jun. 2021 - Aug. 2021
- Will be interning as a machine learning engineer 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; junior standing; credits completed: 90/120.
- Mentored undergrads as code reviewer and course assistant for Software Design Studio.
- Graduate of 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

PROJECTS

Deployed a Spotify playlist audio feature visualizer using Javascript and React   2021

Constructed facial recognition device using TensorFlow and Google AIY for use by school faculty   2020

Developed genetic and evolutionary algorithms for agent-based biological modeling in C#   2020