

Monish Sinha

(614) 357-2632 | mxs1938@case.edu | linkedin.com/in/monish-sinha | github.com/SinhaM101 | Portfolio

SUMMARY

Data science student with experience in GenAI governance, machine learning, and enterprise AI tooling.

EDUCATION

Case Western Reserve Univ <i>B.S. Data Science, Fintech minor GPA: 3.5/4.0</i> – Courses: Algorithms, Data Science Systems, Data Structures – Honors: Dean's List	Aug 2023 – Apr 2027 Cleveland, OH
University College Dublin <i>Study Abroad Program Focus: Data Science, Fintech</i>	Jan 2026 – May 2026 Dublin, IE

RELEVANT EXPERIENCE

Technology Analyst Intern (Incoming) <i>PNC Financial Services</i> – Incoming intern focused on emerging technologies and data-driven innovation in the financial industry	Summer 2026 Pittsburgh, PA
AI Governance Intern <i>Sherwin-Williams</i> – Built GenAI cost-estimation tool reducing model approval cycle time by 50% using Copilot Studio and structured input pipelines – Developed Power BI dashboards tracking M365 and GitHub Copilot usage, reducing unnecessary licenses by 15% – Implemented Azure AI-tagging framework enabling accurate attribution of AI-related cloud costs – Coauthored AI literacy guidelines used to train 64,000+ employees in effective enterprise AI prompting	May 2025 – Aug 2025 Cleveland, OH

TECHNICAL PROJECTS

U.S. Voting Patterns Analysis <i>Python, Spark</i> – Analyzed 47,000+ county-year observations combining ACS socioeconomic data with U.S. presidential election results – Integrated demographic, economic, and housing datasets from the American Community Survey – Built distributed data pipelines using Spark RDD MapReduce across datasets with 500+ variables and 3,143 counties – Benchmarked distributed vs single-node processing achieving up to 3.5× speedup on large datasets	2025
Ireland Cost of Living Dashboard <i>Python, Streamlit, Altair</i> – Built interactive dashboard analyzing price trends across 10+ consumer categories using CSO Ireland datasets – Designed linked visualizations including time-series, grouped bar, and stacked area charts – Implemented dynamic filtering to explore inflation periods and demographic cost-of-living impacts	Feb 2026

ADDITIONAL EXPERIENCE

- **Board Member**, Conduct Review Board *Nov 2024 – Present* Reviewed academic and conduct cases with faculty panel and recommended sanctions to uphold university standards.
- **Executive Member**, CWRU Quants *Nov 2024 – Present* Developed real-time trading strategy simulation engine used to demonstrate quantitative models to corporate partners.

SKILLS & CERTIFICATIONS

Programming: Java, Python, R, SQL, XML, DAX
Tools: Power BI, Streamlit, Spark, Linux, Git, Excel, LaTeX
Machine Learning: Logistic Regression, KNN, SVM
Certification: Microsoft Harnessing Data Insights (Power BI)