Curriculum Vitae/Resume, Rishabh Singh

rishps@umich.edu | www.linkedin.com/in/rishabhsingh2027 | Long Island, NY | (631)-805-0040

Education

University Of Michigan – College of Literature, Science, and The Arts **Ann Arbor, MI**

B.S in Data Science | GPA: 3.71/4 *August 2023 - May 2027*

- **Courses:** Statistics and AI, Data Structures and Algorithms, Discrete Math, Statistical Computing, Calculus III, Linear Algebra, Applied Regression Analysis, Introduction to Probability, Programming and Introductory Data Structures
- **Organization/Leadership:** Michigan Sports Analytics Society, Engineering Business Group. Creator of Good Karma Engineering, a Not-For-Profit focused on 3D printing prosthetic limbs for those in need. Shipped 50+ fully functional arms and legs to people across the United States, England, and India

Experience

AfterQuery Experts **Ann Arbor, MI**

Data Analyst *August 2025 - Present*

- Developed Python-based ETL pipelines processing 100k+ weekly prompt–response records, human feedback scores, and detailed usage logs, enabling reliable analysis, dataset quality assessment, and AI dataset generation workflows
- Built and maintained internal APIs and supporting data tooling to securely deliver cleaned, validated, and versioned datasets to enterprise AI research teams, including Berkeley AI Research and Stanford AI Lab
- Improved data cleaning, validation, and preprocessing workflows in Python by redesigning quality checks and transformation logic, reducing end-to-end pipeline runtime by approximately 25% while increasing confidence in downstream analytical and modeling results

Academic Analytics **New York, NY**

Data Analyst *June - September 2025*

- Analyzed IRIS vendor spend transaction data using Python across 135+ universities, covering over $10B in total institutional spending to identify vendor concentration risks, institutional spending patterns, and categorical trends to support data-driven product and risk assessments. Presented findings to senior executives and product leaders
- Extracted, cleaned, and analyzed SEC 10-K and 10-Q filings in R to evaluate vendor financial health through revenue growth trajectories, leverage ratios, and disclosed risk factors, enabling comparative analysis across vendors
- Automated recurring reporting and analytics pipelines in Python, reducing data processing time by approximately 35% and cutting manual reporting effort by 10+ hours per week for recurring client deliverables

The Coder School **Long Island, NY**

Code Coach *May - August 2024*

- Led curriculum development and technical outreach initiatives with high schools in North Carolina and California, presenting program offerings to administrators and driving adoption resulting in approximately 25% revenue growth
- Designed and organized six weeks of original lecture material, including coding labs and problem sets, covering programming fundamentals, applied software development concepts, and introductory professional development topics
- Delivered instruction in C++ programming and web development fundamentals to 20–30 students per cohort through project-based learning, interactive debugging exercises, and applied problem-solving activities designed to improve student comprehension

Personal Projects

Portfolio Value Creation & Investor Analytics Dashboard

- Built a portfolio-style analytics dashboard using Python and a structured dataset repurposed as a proxy for an industrial portfolio company, layering in realistic financial assumptions informed by public specialty-chemicals benchmarks.
- Modeled revenue, cost, margin, and EBITDA drivers across simulated product lines and conducted pricing, mix, and cost sensitivity analyses. Framed findings in an investor-ready executive summary to demonstrate how data analytics can support operational value creation and private equity investor reporting.

NFL Penalty Margin and Win Analysis

- Built an interactive R Shiny analytics application using NFL play-by-play and schedule data (2018–2023), engineering team-level penalty margin, yard margin, home vs away splits, and win percentage to study the relationship between discipline and on-field performance
- Implemented league-wide aggregation, z-score outlier detection, and correlation-based hypothesis testing, enabling exploratory analysis of penalty trends, team-level deviations, and their association with winning outcomes

Technical Skills

Languages: C/C++, Python, R, HTML/CSS/JavaScript, SQL
Developer Tools: Git, ReactJS, Pandas, NumPy, PyTorch