

Rishi Siddharth

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Education

American University

B.S. in Data Science & Minor in International Business

Expected Graduation May 2026

GPA: 3.5

Coursework: Data Manipulation, Probability Theory, Regression analysis, Statistical Machine Learning, Peace Through Entrepreneurship, Public Policy Economics, Cybersecurity Analytics

London School of Economics:

- **Focus:** Data Engineering, Economics, Business Strategy, Consulting

- **Leadership & Activities:** VP, AU Men's Club Soccer; E-board, LSE Data Science Society

- U.S. Citizen • Security Clearance Eligible • Spanish

September 2024 - June 2025

2:1 Honors

Skills

Languages: Python, R, SQL, Stata

Data & Tools: Databricks, FastAPI, Docker, Tableau, Power BI, Excel

ML/NLP: Machine Learning, NLP (spaCy, Hugging Face)

Certifications: Databricks Fundamentals; AWS Databricks Cloud Integrations (2025)

Experience

Intermezzo.ai

Product Intern

Menlo Park, California

January 2024 - Present

- Analyzed international regulatory requirements across multiple jurisdictions to create product requirements documentation for tax compliance automation (e.g., OECD tax treaties, HMRC PAYE rules, Singapore CPF/SDL frameworks, EU GDPR reporting constraints).
- Fine-tuned multiple large language models (LLMs) to parse and extract unstructured tax and payroll legislation, achieving 99% accuracy in entity recognition and rule mapping (vs. 85% industry benchmark).
- Collaborated cross-functionally with data & engineering teams to integrate tax rules into the core Gross-to-Net API pipeline.

Transition Pathway Initiative (TPI) Assessment API

Greater London, United Kingdom

Data Science Researcher – London School of Economics

January 2025 - April 2025

- Co-developed a FastAPI-based web application that retrieves firms' carbon performance and management-quality data for global companies and sovereign entities.
- Built RESTful endpoints to compute and visualize carbon-intensity projections (CP graph), using Python (Pydantic) for data handling and validation.
- Integrated Assessing Sovereign Climate-Related Opportunities and Risks (ASCOR) into a scalable API for cross-sector performance comparison, adding features such as model context protocol (MCP) and retrieval augmented generation (RAG) features to platform.
- Collaborated with a 15-member team under Dr. Jon Cardoso-Silva and the TPI Centre, applying version control (GitHub, CI/CD) and test-driven development.

London School of Economics - Castore Consulting

Greater London, United Kingdom

Analyst (AI Health Tech Startup)

December 2024 - May 2025

- Built Series A pricing models and conducted multi-market competitive analysis (15+ firms) across AI health tech, informing EU and Indonesia expansion strategy.
- Delivered client-ready insights on healthcare AI adoption, regulatory/reimbursement dynamics, and go-to-market economics.

Georgetown University REU (NSF/NSA Sponsored)

Georgetown, Washington DC

Data Science Research Intern

May 2024 - August 2024

- Developed exploratory NLP-based machine learning models to assess geopolitical risk from legislative bill text as part of a research-focused program.
- Presented findings to NSF program officers (runner-up in undergraduate Tufts University competition) and intelligence community.

Projects (Selected | [GitHub](#))

War Monitor (Ukraine):

- Built a multi-agent AI system to combine/verify conflict intelligence validation using Chain-of-Debate framework across five OSINT (OPEN SOURCE INTELLIGENCE) data streams (ACLED, satellite imagery, government, and news).

LSE Data Science Society | How should we classify economies?

- Published 72-page paper analyzing economic classification methodologies using 7 thematic dimensions to measure country success
 - In collaboration with 4 other LSE BCS economics students.