

SUMEDHA RAJBANSHI

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EDUCATION

Washington University in St. Louis, Olin Business School

Masters of Science, Business Administration, GPA: 3.43/4.00
(STEM) (Business Economics)

May 2025

- *Relevant courses*: Industrial Organization, Structural & Advanced Microeconometrics, Empirical Methods in Structural Modeling, Empirical Methods in Business

Moog Scholar Award 2023 Recipient for Business Economics
Olin Business School Doctoral Scholarship 2018-2024

University College London, UK

Masters of Science, Economic Policy, Distinction, GPA: 3.80/4.00

Aug 2012 - Aug 2013

- *Relevant courses*: Econometrics for Policy, Time Series Econometrics, Macroeconomics for Policy
- *MSc thesis*: Microeconomic analysis of rural household decision-making on HIV/AIDS prevention

University of Bristol, UK

Bachelors of Science, Economics, 1st Class Honors, GPA: 3.63/4.00

Aug 2009 - Jun 2012

- *BSc thesis*: Time series analysis of durables consumption

EXPERIENCE

Washington University in St. Louis, Olin Business School

Jul 2018 - May 2025

Graduate Researcher in PhD Program

- Web-scraped over a million print articles and constructed datasets from the ground up for quantitative analysis
- Created a survey questionnaire for 750-800 randomly selected articles, and recruited, managed and guided 18 students as survey respondents, to construct a dataset of approx. 2700 responses
- Learned and worked with Nielsen IQ's high volume marketing data on supermarket purchase
- Conducted sentiment, text and microeconomic analysis on articles and sales data
- Independently reviewed the literature to propose research questions and derive a conceptual model, which was presented at 8 departmental seminars to faculty and students
- Exposed to various quantitative research techniques through course assignments

Teaching Assistant

Jul 2018 - Jul 2024

- Graded 9 assignments and held 7 review sessions on solving applied maths/statistics and computation problems for approx. 35 undergraduate students (FL2022, FL2023)
- Marked approx. 8 health economics and policy assignments for 30 MBA students (FL2021)
- Reviewed 7 health economics assignments for approx. 15 masters students, and held 9 Q&A sessions for students' learning needs (SP2018)

Research Officer, Health Start-up NGO, Nepal
Research Intern

Jul 2015 - Jun 2017
Apr 2014 - Nov 2014

- Collaborated with academic principal investigators to fine tune research methodology
- Coded survey questionnaires for a quantitative data collection tablet app
- Recruited, trained and worked with field agents and local stakeholders, to collect data from rural households and health facilities for numerous team-based projects
- Monitored field agents from the main office and on-site to ensure data quality adhered to academic standards
- Collated surveys (typically ≥ 100) and created datasets from the ground up
- Conducted elementary quantitative and qualitative data analysis and submitted write-ups
- Contributed to consolidated reports for non-research based projects to multilateral organizations

Consultant, WHO Southeast Asia Regional Office

Nov 2014 - Apr 2015

- Consolidated information across approx. 10 global offices, to write reports on progress of programs managed by the unit

LEADERSHIP & ACTIVITIES

MSc Student Co-Representative

Aug 2012 - Aug 2013

- Communicated with a cohort of approx. 25 students throughout the year, to gather feedback, issues and concerns on their experience
- Brought forward student comments to faculty and negotiated accommodations

Student Residence Committee Treasurer

Aug 2010 - Jun 2011

- Managed an annual financial budget of approx. \$20,000
- Co-organized 2 large and 3 smaller festive events for 250 students
- Liaised with HSBC bank throughout the year, and external vendors when implementing events
- Provided financial reports and updates to residence staff during meetings and upon request

PROGRAMMING & SOFTWARE

- Intermediate — *Stata, Python, L^AT_EX*
- Basic — *Matlab, R, Julia, VS Code, Jupyter Notebooks*
- Professional knowledge — *MS Word/ Excel/ Powerpoint*

LANGUAGES

- *English* — Native proficiency
- *French* — Intermediate proficiency
- *Nepali* — Conversational proficiency (listening & spoken)
- *Hindi* — Elementary proficiency (listening)

RECREATIONAL ACTIVITIES

Classical piano, drawing, painting, photography, tennis, badminton, cooking