

# Brinda A. Gokul

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## Education

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**Ph.D. in Information and Scientific Computing** Expected: June 2025

University of Michigan, Ann Arbor, MI

Dissertation: “Beneath the Black Flag: *Structural Deception and Leadership Obfuscation in ISIS Operations*”

Committee: Christopher Fariss (chair), Iain Osgood, Ben Green, Tamar Mitts (Columbia)

**M.S. in Health Infrastructures and Learning Systems** 2019

University of Michigan

**B.A. in Political Science** 2015

*Minor in Human Rights*

University of Washington, Seattle, WA

## Academic and Professional Appointments

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**Research Associate** 2024–2025

Center for Global Security Research, Lawrence Livermore National Laboratory

**Digital Transformation in Conflict Consultant** 2024

World Bank

**Modeling and Simulation Research Intern** 2023–2024

Oak Ridge National Laboratory

**Graduate Research Assistant** 2021–2023

University of Michigan

**Research Analyst** 2014–2018

World Bank

## Publications

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1. Bryant, A., Reynolds, N.R., Hart, L., Johnson, P.G., Kalula, A., **Gokul, B.**, & Davidson, P.M. (2021). A qualitative study of fourteen African countries’ nursing workforce and labour market. *International Nursing Review*, 00, 1–10.
2. Duggal, B., **Gokul, B.**, Duggal, M., Saunik, S., Singh, P., Agrawal, A., ...Nallamotheu, B. K. (2019, April 1). Drug-eluting stent use among low-income patients in Maharashtra

after statewide price reductions: Lessons for India? *Circulation: Cardiovascular Interventions*. Lippincott Williams and Wilkins. <https://doi.org/10.1161/CIRCINTERVENTIONS.118.007757>

## Conference Presentations

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1. Political Networks, 2024 Paper Panel: Conflict, Resistance and Human Rights *The Sacrificial Leaders: A Covert Hierarchical Structure Ensures Criminal Organizational Survivability*
2. Political Methodology, 2024 Poster: *Leveraging Compounded Multilayer Networks to Reconcile the Relationship Between Recruitment and Operations to Violent Non-State Groups*  
Recipient of PolMeth Travel Award
3. Latin American Political Methodology, 2024 Poster: *Identifying Role Hierarchy of Transnational Criminal Organizations using Graph Dimensionality Reduction*

## Manuscripts in Preparation

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- **Gokul, B.**, Fariss, C.J.. *Violence at the Edge: Strategic Order and Tactical Chaos in ISIS's Organizational Topology*. Manuscript in preparation.
- **Gokul, B.** *Ghost Nodes: Strategic Obfuscation in ISIS's Recruitment Pathways*. Manuscript in preparation.
- **Gokul, B.** *Veiled Command: Strategic Leader Obfuscation in ISIS Recruitment Operations*. Manuscript in preparation.
- **Gokul, B.** *Networks, Sympathizers, and Spillovers: U.S. Convictions and the Rise and Fall of the Caliphate*. Manuscript in preparation.

## Blogs

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1. *Quantifying the Hawthorne Effect*, co-authored with Jed Friedman; **World Bank Blogs, Development Impact**, October 16, 2014.
2. *World Breastfeeding Week: Leveraging the Use of Contraception to Optimize the Effects of Breastfeeding*, co-authored with Saumya RamaRao and John W. Townsend; **Population Council, Council Commentary**, August 4, 2016.

## Affiliations

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- **Michigan Collaboration for Ending Mass Incarceration**  
Criminal Justice Policy Student
- **Center for Inequality Dynamics, University of Michigan**  
Student Affiliate
- **Conflict & Peace, Research and Development Working Group**  
Student Affiliate
- **Michigan Integrated Center for Health Analytics and Medical Prediction (MICHAMP)**  
Associated Researcher
- **Theoretical and Organizational Models (TOM) Society Working Group**  
Student Affiliate

## Teaching Experience

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- SI 301: Models of Social Information Processes (UM, Fall 2021)
- SI 618: Data Manipulation and Analysis (UM, Winter 2022)
- SIADS 502: Mathematics Methods for Data Science (UM, Spring/Summer 2022)
- SI 544: Statistics and Data Analysis (UM, Fall 2022)
- SI 330: Data Manipulation (UM, Winter 2023)

**Mentored Students:** Vishalakshi Meyappan, Niyah Reeves, Marvin Shang

## Awards and Fellowships

Half Tuition Scholarship for MS Program	2018
Rackham Travel Grant	2019, 2024
UMSI Travel Grant	2024
PolMeth Travel Grant	2024

## Service

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Referee, Humanities and Social Sciences Communications	2024-2025
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## References

Available upon request