

SAHITI SARVA

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Washington D.C., United States of America

EXPERIENCE

Short Term Consultant (Data Scientist)

DECDG, World Bank

12/21 - Ongoing

Washington D.C, USA

Working as a data scientist with the Development Data Partnership ([link](#))

- Manage and coordinate timely data delivery for proposals received by the Development Data Partnership from project teams across the World Bank.
- Match projects to Partnership datasets based on research questions, data availability and suitability.
- Explore, visualize and document datasets available through Partnership collaborations using Python.
- Created an ArcGIS map and co-managed data and code for the Ukraine Poverty and Equity Program ([link](#)).
- Working on project creating foundational datasets to analyse heatwaves in New Delhi, India.

Jr. Research Analyst, Disaster Risk Reduction

United Nations Development Programme

11/21 - Ongoing

Working as a researcher with the Disaster Risk Reduction and Recovery for building Resilience Team

- Co-authoring exploratory research paper on identifying entry points for the application of Foresight Studies to anticipatory development policy planning. Involves insight gathering from practitioners in Asia Pacific and North Macedonia, desk research and narrative building.
- Conduct research for Regional Bureau of Asia Pacific's 'Horizon Scanning Initiative 2.0' to produce key trends in the region that could impact development policy planning. Involves conducting surveys, handling text data using Natural Language Processing and building narratives to communicate interconnections between trends.

Freelance Data Journalist

The Pudding

04/21 - 02/22

Co-authored a visual essay about representation of women in the news for The Pudding, a digital news publication

- Gathered, cleaned and analysed 10+ years worth of English news headlines about women from four countries - India, USA, UK and South Africa.
- Analysed and visualized data to show temporal and spatial differences, biases and polarity in the language used.

Research Assistant

The Resilience Lab

04/20 - 08/21

Delft, Netherlands

Worked on Health Emergency Response in Interconnected Systems (HERoS) project, funded by the European Commission to improve the effectiveness and efficiency of COVID-19 response. ([link](#))

- Contributed to building a large-scale, agent based model that simulates the spread of COVID-19 in a city.
- Developed a model that simulates cities of The Hague and Helsinki and presented the findings at the IC2S2 conference.

Business Intelligence (BI) and Analytics Consultant

Thorogood Associates

06/16 - 06/19

Bangalore, India

Worked at Thorogood Associates, a UK based boutique consulting firm, as a data visualization and analytics consultant across functions of Consumer Product Goods (CPG) conglomerates

- Designed metrics to analyse Portfolio Complexity for a CPG conglomerate. Identified low margin, slow moving consumer goods that enabled 400+ R&D Managers to save €100M
- Optimized BI system hosting global recipes and finished goods data, improving system maintenance efficiency by 40%.
- Developed BI system to identify sustainable packaging materials to replace existing ones assisting the CPG firm to reduce its carbon footprint in order to reach **UN Development Goals** of responsible production and consumption.

Freelance Data Analyst

Akshara Foundation

09/18 - 03/19

Bangalore, India

Conducted an exploratory data analysis for Akshara Foundation, an Indian Public Charitable Trust dedicated to ensuring primary education for underprivileged children

- Created 'The Blackboard' - a series of **visual analysis dashboards** that evaluate findings from foundations' mathematics contest conducted pan India for 250,000 students. It enables analysis of existing material and pedagogical techniques

PUBLICATIONS AND ACADEMIC WORK

Climate change and disaster risk management



- 'How Foresight Helps Explore Multiple Futures in Support of Risk-Informed and Anticipatory Development', UNDP Development Futures Series, 2022 (in draft).
- 'RBAP Regional Horizon Scanning Initiative II: Key Risks, Uncertainties, and Trade-Offs in Asia Pacific', UNDP Development Futures Series, 2022 (in draft).
- 'Operationalising stability and fairness in transboundary water resource allocations', Masters thesis conducted in Delft University of Technology, 2021 ([link](#)).
- Presenting Masters thesis research at the 2022 Decision Making Under Deep Uncertainty conference ([link](#)).

Gender and society



- 'When Women Make Headlines', The Pudding, 2022 ([link](#))
- Presented 'When Women Made Headlines' at London School of Economics' JournalismAI community workshop discussing the use of data and AI to analyse women's representation in the news ([link](#)).

EDUCATION

M.Sc. Engineering and Policy Analysis (Honours)
[Delft University of Technology](#)

 09/19 - 08/21
 Delft, Netherlands

B.Tech. Civil Engineering
[National Institute of Technology, Tiruchirappalli](#)

 06/12 - 06/16
 Tiruchirappalli, India

SKILLS & LANGUAGES

Programming and Visualization

PythonRJavascript (D3.js)HTMLCSSC++SQLTableauPowerBI

GIS, Simulation, and Modelling

Agent Based ModellingDiscrete Event SimulationSystem DynamicsArcGIS

Languages

EnglishTelugu (native speaker)Hindi