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## Research Assistant

We are looking for a project-based research assistant to take on a temporary assignment.

Are you passionate about applying your Data Science skills to a real-world business problem?

The research project entitled "Assessing business efforts to reduce child labour in India: a dashboard for tracking community local-level risk processes" is a one-year (2021-2022) mixed-methods research project. This research seeks to contribute to the academic literature, and policy and practice by generating empirical evidence on the impact of corporate social responsibility on child labour in support of UN Sustainable Development Goals on eliminating child labour and ending violence against children.

### Role and Responsibilities

We are looking for a candidate with strong technical and analytic skills and outstanding problem-solving skills.

Working in collaboration with the principal investigator, you will be responsible for applying electronic business technologies and data science to help prototype a dashboard for tracking performance indicators on child labour, through three prototyping cycles and the validation process, to analyze stakeholder-oriented views, including: a process-level dashboard, a meso-level dashboard targeted to firms/organizations, and a macro-level dashboard.

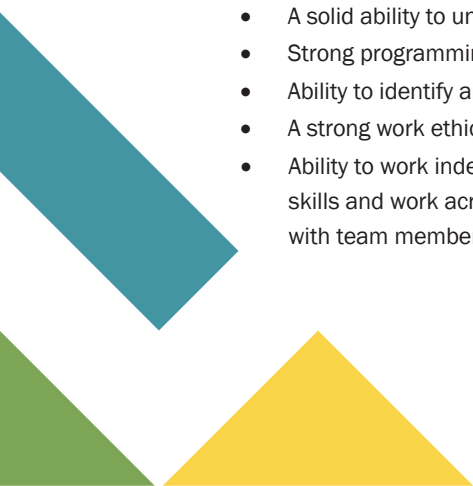
The research assistant will prepare the performance management tool, the database to inventory the dataset, and the interactive data visualization of the project (i.e. the dashboard), including any required adjustments.

Throughout the project, the intern will work collaboratively with the research team to provide suggestions and solutions to improve the data analysis and comparison.

### Methodologies

This project provides an opportunity to gain experience in new methods and data analytics, including fsQCA (or Excel), NVIVO and Tableau. The solution will be developed using Tableau and NVIVO software with data integration to Survey Monkey and Microsoft software, including Microsoft Excel.

### Skills

- Strong computer science fundamentals, problem-solving skills and software engineering skills.
  - Ability to communicate effectively with stakeholders to define and clarify requirements
  - A solid ability to understand and organize data from multiple sources
  - Strong programming skills
  - Ability to identify and resolve performance and data quality issues
  - A strong work ethic: the candidate takes pride in producing a quality product
  - Ability to work independently and as part of a team: the candidate will use cross-cultural communications skills and work across time zones. In addition to the principal investigator, the research assistant will work with team members in India.
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## Qualifications

- A Bachelor's or Master's degree in Computer Science, Data Science, Electronic Business Technologies, Data Analytics, Statistics, Informatics, Information Systems or other relevant fields.
- We invite master's students in a relevant field to apply.
- A minimum of three years' work experience preferable.
- Excellent command of English.

## Desirable asset criteria

- Relevant experience to provide data science support to other mixed methods research (quantitative and qualitative)
- Relevant research experience using workspaces such as Google Docs and Dropbox.
- Experience with Survey Monkey, including data integration with other software programs.
- Advanced experience with Microsoft Excel.
- Experience with data analytics, including R programming language or fsQCA,
- Experience with NVIVO.
- Experience with Tableau.

## Value and duration of the assignment

The assignment's duration is part-time days over six months, starting from the contract signature date.

## Application procedures & selection process

Interested candidates should submit their CV and cover letter, along with their availability, to [akhan298@uottawa.ca](mailto:akhan298@uottawa.ca). The cover letter should include information on why you are suited and interested in this role by including information on relevant experience and achievements. Please include the names of two references (including one academic reference).

Deadline: This job will remain open until filled.

## Contact:

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Affiliated Researcher – Gujarat Institute of Development Research  
Steering Committee member, University of Ottawa - Interdisciplinary Research Laboratory on the Rights of the Child;  
Member, Carleton University – Child Rights Academic Network (CRAN)  
Child protection specialist – Global Affairs Canada (on education leave)