



**INDIAN INSTITUTE OF MANAGEMENT AHMEDABAD**  
**BRIJ DISA CENTRE FOR DATA SCIENCE AND ARTIFICIAL INTELLIGENCE**

*Announcement for the Position of*

***Research Associate (Post-Doctoral)***

The [Brij Disa Centre for Data Science and Artificial Intelligence \(CDSA\)](#) at IIM Ahmedabad invites applications for a Post-Doctoral Research Associate position for the research project titled “*Explainable Data Valuation Mechanism for Utility Maximization in Digital Marketplaces.*” The project develops counterfactual, network-based methods for fair, explainable, and dynamic pricing of data assets in digital marketplaces, drawing on network science, graph representation learning, explainable AI, fairness-aware machine learning, and behavioural economics. This research is in close collaboration with researchers at the Laboratory for Information & Decision Systems (LIDS), Massachusetts Institute of Technology (USA) and University of Economics in Bratislava (Slovakia). The selected candidate will work closely with [Prof. Samrat Gupta](#) at IIM Ahmedabad.

**Role and Research Scope:**

The Post Doctoral Research Associate will lead the design and implementation of a counterfactual reasoning and network-based pricing models for digital data assets. Specific responsibilities include developing counterfactual analyses on similarity graphs of assets, deriving influence/attribution scores (e.g., Shapley- and SHAP-based), integrating fairness-aware corrections, and validating the methods on real and experimental marketplace data. The role offers strong opportunities to publish in top-tier venues and engage in joint work with international collaborators.

**Qualifications:**

- PhD in Computer Science, Information Systems, Data Science, Machine Learning, Applied Mathematics, Quantitative Economics, or closely related fields.
- Applicants who have recently submitted their thesis or are nearing completion of their PhD are also eligible to apply. If selected, such candidates must submit their PhD degree certificate within six months of the date of appointment.
- Strong background in network science, graph analytics and simulation.
- Solid foundation in machine learning, statistics, and mathematical modelling.
- Strong expertise in R or/and Python and good familiarity with scientific computing libraries.

- Working knowledge of explainable AI techniques (e.g., SHAP, LIME, counterfactual explanations).
- Strong written and oral communication skills, with a demonstrable track record of peer-reviewed publications.

**Key Responsibilities:**

- Conduct cutting-edge research on pricing and valuation of data assets.
- Publish research findings in high-impact journals.
- Contribute to the centre's activities.

**Preferred Qualifications:**

- Familiarity with graph representation learning and Shapley-value-based attribution.
- Experience with fairness-aware machine learning and algorithmic fairness metrics.
- Familiarity with data economics, data marketplaces, or digital platform research.
- Exposure to behavioural / experimental economics or willingness to engage with experimental data.
- Interest in working within an interdisciplinary, international research team.

**Location:** The selected candidate will be working from the IIMA campus. If selected, the candidate is expected to manage their accommodation outside the IIMA campus, which is centrally located in Ahmedabad.

**Remuneration:** Compensation would be commensurate with qualification and experience and as per IIMA guidelines.

**Application and Deadline:** Candidates meeting the above criteria are advised to APPLY ONLINE ONLY. The application attachment file should contain the following materials (**as a single consolidated PDF**): 1) a cover letter stating educational and relevant work experience and a brief statement of research interests aligned with the project; 2) a detailed CV; 3) a sample of a published paper or a current working paper; and 4) contact information for three professional references. Shortlisted candidates will be invited for online or in-person interviews.

**Last Date to Apply:** 30th May 2026

To apply, please fill out the form using this [Link](#).

For any query, please write to us at [cdsa@iima.ac.in](mailto:cdsa@iima.ac.in).