Job Title: Lead Data Manager / Data Scientist

Reports to: Head KCDH-A and Director of LiGHT lab at KCDH-A

Location: Ashoka University, Sonipat, Haryana (KCDH-A)

Experience (in years):
- Bachelor's/Master's/PhD degree in Computer Science, Engineering, or related field.
- 3–5 years of proven
- Prior experience in health tech, open-source projects, or humanitarian applications preferred.

Start date: ASAP

Nature of work:

We are seeking a Lead Data Manager / Data Scientist to build and oversee the data architecture, governance, and analytics systems that underpin PrAImaan and MOOVE-India.

This role integrates data engineering, management, and compliance—ensuring that India's health-AI evaluations are conducted through secure, privacy-preserving, and interoperable systems. You will design the end-to-end data ecosystem, coordinate local and international teams, and uphold the highest standards of data quality, reproducibility, and ethical governance.

About MOOVE and PrAImaan

The MOOVE platform, developed by the Laboratory for Intelligent Global Health and Humanitarian Technologies (LiGHT), is a global, open, and model-agnostic platform that enables clinicians to evaluate, compare, and improve medical AI models (LLMs).

Launched in 2024, MOOVE now includes over 1,000 clinicians from more than 20 countries and is used by global health organizations to ensure AI systems are safe, fair, and clinically applicable in diverse healthcare settings.

MOOVE-India marks the first time this initiative is being implemented nationally, making it a pioneering effort to establish India as a global leader in the responsible evaluation of medical AI. The program will anchor MOOVE within India's diverse medical education and research ecosystem through national collaborations, teaching hospitals, and coordinated resident engagement.

PrAImaan builds on this foundation as an India-specific initiative to evaluate and certify health AI

This position is based in the LiGHT laboratory, hosted within the Koita Centre for Digital Health at Ashoka University

About Ashoka University:
Ashoka University - India's premier interdisciplinary teaching and research university. An institution that has become a beacon of academic excellence in less than 10 years since its inception. At Ashoka, we encourage you to embrace the new, push the boundaries for continuous learning, and adapt to a world of constant change, because we believe that each Ashokan is capable of becoming a thought leader.

As part of our thriving and committed workforce, you will:
- *Be Mission-Driven: Champion interdisciplinary learning, innovative pedagogy, and academic rigor to transform Indian higher education.*
- *Think Strategically: Collaborate with visionary minds to shape the future of higher education through strategic planning and a forward-thinking approach.*
- *Act Authentically: Embrace authenticity and integrity, fostering an inclusive and supportive environment where every voice is valued.*
- *Take Accountability: Own your work and drive positive change, as an empowering individual seeking to make a meaningful contribution.*
- *Build Collaboration: Experience the power of teamwork and diverse perspectives, working collectively towards our shared goals.*
- *Deliver Excellence: Strive for excellence in all aspects, upholding the highest standards of academic excellence, student support, and professional development opportunities.*

*At Ashoka University, we are on a mission to redefine higher education and create a remarkable space where innovation and collaboration thrive. As a **pioneering force in interdisciplinary learning**, we **continually grow and adapt** to stay at the forefront of educational excellence with emphasis on inclusivity and equal opportunity. Our philosophy revolves around **care, well-being, and connection**, which are deeply embedded in everything we do.*

When you join our community, you become part of an extraordinary journey in which you can unleash your potential and make a meaningful impact. Where education empowers, where innovation thrives, and where excellence and humility coexist. We truly believe the world will enrich itself when there is progress with purpose.

About KCDH-A:

ASHOKA UNIVERSITY

KCDH | KOITA CENTRE FOR DIGITAL HEALTH

ICMR
INDIAN COUNCIL OF MEDICAL RESEARCH
Serving the nation since 1911

NIDHDS | NATIONAL INSTITUTE FOR
DIGITAL HEALTH & DATA SCIENCE

LiGHT | LABORATORY FOR INTELLIGENT GLOBAL
HEALTH & HUMANITARIAN RESPONSE TECHNOLOGIES

The Koita Centre for Digital Health at Ashoka University (KCDH-A) is dedicated to building India's research capacity in digital health, AI in medicine, and responsible technology for healthcare. KCDH-A collaborates with global partners such as LiGHT Lab (EPFL, Harvard) and industry to drive frontier research and real-world deployment of safe, trustworthy AI systems in health.

About LiGHT Lab (Laboratory for Intelligent Global Health and Humanitarian Technologies)
LiGHT Lab is an international research group jointly hosted at:
- *EPFL (École Polytechnique Fédérale de Lausanne) – School of Computer and Communication Sciences, Switzerland*
- *Harvard T.H. Chan School of Public Health & Ariadne Labs – USA*
- *Ashoka University (KCDH-A) – India*

LiGHT builds safe, scalable, and context-aware digital health tools for real-world use, partnering with global and humanitarian organizations (WHO, MSF, ICRC, and national ministries of health). The lab works across AI, clinical research, and implementation science to bring trustworthy innovations to scale.

Role and Responsibilities:
- **Data Governance & Compliance**
  - Develop and implement the PrAImaan Data Governance Framework, ensuring alignment with India's Digital Personal Data Protection Act (DPDP Act, 2023), and related rules.
  - Ensure compliance with Indian laws such as the Information Technology Act, 2000 and subordinate rules governing health-data, digital personal data and cross-border transfer.
  - Establish privacy-preserving practices: anonymisation, de-identification, consent tracking, contractual safeguards for data processors/fiduciaries.
  - Draft and maintain standard operating procedures (SOPs), data-management plans, template documentation, and audit reports.

- **Data Architecture & Infrastructure**
  - Design and maintain secure, scalable data architectures for clinical and AI-research projects: data lakes, eCDS modules, model repositories, evaluation metrics stores.
  - Coordinate hosting/integration of local infrastructure (Ashoka/KCDH-A) with cloud or HPC resources (AWS, GCP, institutional clusters) for model training and evaluation.
  - Ensure version control, metadata governance, clear lineage of datasets, and compatibility with AI pipelines.

- **Data Science & Analytics**
  - Lead data curation, annotation, harmonisation and quality control to feed AI-model training, fine-tuning and evaluation cycles.
  - Develop dashboards and automated workflows for tracking cohort participation, model performance, safety metrics, and evaluation feedback.

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- ○ Collaborate in creating AI-ready datasets that reflect India's clinical context, languages, and use-cases.
  - ○ Support statistical analysis, exploratory research, and publication of data-driven findings.

- **Collaboration & Capacity Building**
  - ○ Work with KCDH-A, ICMR, partner hospitals and international LiGHT teams to ensure data interoperability, shared standards and joint infrastructure-planning.
  - ○ Mentor junior data managers, research staff and students in best practices of data governance, reproducibility and global health AI.
  - ○ Contribute to capacity building through workshops, training modules and documentation for Indian research/health-tech stakeholders.

Qualifications:

- Master's degree (or higher) in Data Science, Biostatistics, Computer Science, Public Health informatics or a related field.
- At least 5 years' experience in data-management, analytics or digital-health research, ideally in clinical/healthcare settings or multi-institution research consortia in India or LMICs.
- Proven experience designing and managing data workflows, versioning, quality control or governance frameworks in research contexts.

Skills Required:

- Proficiency in Python and/or R; strong SQL and familiarity with data-pipeline tools and dashboards.
- Experience with cloud or on-premises infrastructure (AWS, GCP, institutional clusters), data lakes, version control, data annotation, metadata management.
- Familiarity with anonymisation/de-identification workflows, secure data sharing, and regulatory controls.
- Experience working with AI/ML datasets, reproducibility pipelines, versioning of models and data assets.
- Strong organisational skills, strategic thinking and ability to translate complex technical/data issues into operational work-flows.
- Excellent written and verbal communication; ability to collaborate across interdisciplinary teams (clinicians, engineers, researchers, institutional partners).
- Proactive, reliable, detail-oriented and committed to ethical, transparent, mission-driven research.

Application Submission Process:

We invite you to embark on this journey by submitting your application to Ashoka University's KCDH-A. To ensure your candidacy receives the attention it deserves, kindly follow the application submission process outlined below:

Prepare an Updated CV: Showcase your professional accomplishments, skills, and experiences in an updated curriculum vitae.

Submit Your Application: Email your CV to communications.kcdha@ashoka.edu.in, ensuring the subject line reads as follows: "Designation – Department Name _Applicant Name>". This will help us efficiently process your application.

Include Essential Details: Along with your CV, kindly provide the following information:

- Last compensation received: We value your expertise and acknowledge the importance of fair compensation.
- Expected salary: Share your aspirations for growth and remuneration.
- Notice period: Inform us of the time required to transition from your current role, if applicable.

Pursuit for Excellence: At Ashoka University, we strive for excellence in all aspects of our operations. Therefore, only shortlisted candidates will be contacted as part of our rigorous selection process.

Adherence to Deadlines: To ensure fairness and efficiency, please submit your application by 19th Dec 2025. Applications received after the deadline will not be considered.

We look forward to receiving your application as we embark together on a remarkable journey of professional growth and development. Join our exceptional community at Ashoka University, where excellence is nurtured, and aspirations are transformed into reality.