



Job Title: Data Engineer (L2-L3)

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

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

Experience (in years): 0-2 years of experience with Data Engineering / AI Engineering

Start date: ASAP

Nature of work:

We are seeking a Data Engineer to help build, maintain, and scale MOOVE - Massive Open Online Validation and Evaluation platform for medical AI and Large Language Models. In this role, you will be a mission-critical data-first thinker responsible for architecting the infrastructure that validates the world's most advanced AI systems, moving beyond traditional model building to shape the very standards of how AI is compared and verified.

MOOVE enables independent, large-scale evaluation of health AI systems used in real clinical and public health contexts. You will be responsible for feature development across the entire stack, from web interfaces to cloud deployment, and for ensuring the platform can be sustainably operated, extended, and maintained in India over the long term.

This unique position offers a direct impact on global healthcare governance, requiring a professional who is as comfortable running LLM inference and designing benchmarking pipelines as they are collaborating with non-technical researchers to translate experimental outputs into reproducible data artifacts.

You will join a multidisciplinary team spanning engineering, global health, clinical trials, medicine, and machine learning, contributing to critical infrastructure that underpins national and international evaluations of medical AI.

This is a full-time position. The role is primarily based in the LiGHT laboratory, hosted within the Koita Centre for Digital Health at Ashoka University, with close collaboration with teams in Lausanne and Boston and periodic international travel as needed.

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:

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.

About MOOVE:

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.

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

Role and Responsibilities:

- You will take on several core responsibilities, beginning with **Data Structuring and Standardization**, where you will design clean, interpretable CSV formats for model inputs, evaluation metrics, and human annotations.
- You will create standard templates usable by non-technical users like researchers and clinicians, ensuring all datasets remain consistent, self-explanatory, and easy to analyze.
- Regarding **Database Design and Data Flow**, you will design schemas in PostgreSQL and MongoDB while defining efficient data ingestion, storage, and retrieval flows optimized for fast querying and high-volume scaling.
- You will work with a range of evaluation approaches—from standard performance metrics to more nuanced agreement and consistency analyses—ensuring that outputs are interpretable, comparable, and meaningful across different models, datasets, and real-world use cases.
- To manage **CSV, DB, and API Systems**, you will convert raw datasets into structured pipelines and build lightweight APIs using FastAPI to serve results and enable data access.
- Your work in **ML Model Experimentation and Serving** will involve running inference on models like LLaMA and Qwen, supporting basic fine-tuning via LoRA, and deploying model APIs using Docker.
- Furthermore, you will provide **Prompting and Evaluation Support** by assisting in prompt design and

- defining structured input/output formats for consistent benchmarking
- Through **Research Collaboration**, you will work closely with researchers to structure datasets for papers and translate messy experimental outputs into clean, usable data artifacts.
- Finally, you will maintain **System Ownership and Evolution** by taking charge of data pipelines and evaluation workflows, moving the organization from semi-automated scripts toward structured, reproducible systems.

Qualifications:

- Bachelor's degree in Computer Science, Engineering, or a related field, or equivalent practical experience. Open to candidates with 0–2 years of experience who have demonstrated strong hands-on work with data, backend systems, or ML workflows through projects or internships.
- Strong interest in safety, ethics, and transparency in AI

Skills Required:

- You should possess a strong foundation in **Python** and **SQL**, with a deep understanding of data modeling and schema design. You should be highly proficient in managing CSV-heavy workflows, including the cleaning, structuring, and transforming of raw data into high-quality datasets
- You are comfortable working with both relational and flexible data systems, and can design schemas and queries that make data easy to store, retrieve, and understand. You have experience building APIs that reliably serve data to other parts of the system.
- You have worked with model inference pipelines end-to-end—running, testing, and comparing outputs across different models and configurations. You understand the underlying structure of modern ML systems, including embeddings and transformer architectures, and have practical experience working with open-source models such as **LLaMA and Qwen**.
- You have the technical proficiency to use **Docker** for containerization and the ability to deploy simple services that integrate APIs with model inference. Finally, you utilize strong analytical thinking to interpret model outputs, apply complex evaluation metrics, and successfully translate raw data into actionable insights.

Additional Skills:

- In addition to the core technical requirements, we are looking for candidates who bring a nuanced approach to AI assessment. You should have a background in **ML benchmarking frameworks** and a solid understanding of **research datasets and academic workflows**, allowing you to contribute effectively to peer-reviewed projects.
- Beyond standard implementation, you possess a refined set of **prompt engineering techniques** and a deep familiarity with complex **evaluation metrics** that go beyond basic accuracy to measure model reliability, bias, and performance in specialized domains.

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 – KCDH-A _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 **30 April 2026**. 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.