Job Title: Research scientist
Reports to: Head, Koita Centre For Digital Health –Ashoka University
Location: Bengaluru, India
Posts available: 1
Remuneration: 15,00,000 – 24,00,000 annually (subject to skills and qualification)

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.

Benefits:
- Collaborate with leading academicians, scholars, practitioners, and globally renowned experts.
- Build networks with international researchers, opening pathways for joint research ventures, publication opportunities, and future collaborations.
- Strengthen core research skills, gain mentorship from experienced researchers, and develop leadership and teamwork abilities.
- Be a part of a youthful team and develop innovative solutions in digital health.

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 Koita Centre for Digital Health-Ashoka:

Koita Centre for Digital Health at Ashoka (KCDH-A) is an interdisciplinary Centre, offering robust academic and research programmes aimed at advancing and developing a fresh perspective on Digital Health. It focuses on the convergence of healthcare, genomics, information technology, and artificial intelligence revolutions. KCDH-A aspires to nurture a new generation of Digital Health thinkers, innovators, and implementers through a balanced emphasis on education and research.

- The Centre offers strong academic programmes in digital health & informatics, drives research in next-generation digital health tools & solutions, and creates strong executive education in digital health.

- KCDH-A is a joint centre of the Trivedi School of Biosciences and the Department of Computer Science at Ashoka University, established with support from Koita Foundation, a philanthropic organisation with a mission to accelerate Digital Health adoption in India.

Note:
- This is a collaborative project between KCDH-A and Microsoft Research Lab India (MSRI). The selected candidate will be based at the MSRI office in Bengaluru with travel to Delhi/Sonipat.
- This position is for one year only

Role and Responsibilities:

- Design and implement benchmark protocols for patient-doctor conversation data collection across multiple specialties and languages, ensuring compliance with consent, privacy, and DPDP standards.
- Engage with clinicians, healthcare institutions, and other stakeholders to ensure smooth execution of data acquisition and data annotation workflows.
- Design and implement evaluation protocols, benchmarking framework, and systems for Voice-to-Discrete-Data (V2DD) tasks in healthcare, including transcription, summarization, and codification.

- Conduct fairness, bias, and subgroup performance analyses to ensure responsible AI standards are met.
- Oversee QA audits, language coverage checks, and data quality reviews throughout the project.
- Provide regular progress updates through detailed reports and presentations to the project team.
- Demonstrate innovative research contributions, evidenced by high-quality publications and a strong track record of impactful work.
- Track project deadlines and milestones, coordinating seamlessly between Ashoka and MSRI teams.
- Receive ongoing mentorship and guidance from senior researchers at MSRI and experienced faculty at Ashoka to support professional growth.

Qualifications:

- Ph.D. in Computer Science, Computer Engineering, Electrical Engineering, Computational Linguistics, Biomedical Informatics, or related fields (recent graduates preferred).
- Proven experience in the healthcare domain, particularly in data collection and annotation, and in designing, developing, and maintaining benchmark leaderboards.
- Strong technical expertise in NLP, speech processing, machine learning, and evaluation methodologies, including experience with multilingual and low-resource language datasets.
- Evidence of strong record of innovation in AI/ML, NLP, HCI, or healthcare-related research.
- Publications in top-tier venues such as NeurIPS, AAAI, ACL, EMNLP, CHI, or leading medical informatics journals (JAMIA, NEJM AI, Lancet Digital Health) or similar conferences are highly desirable.
- Familiarity with clinical coding standards (e.g., ICD-10, SNOMED CT) and healthcare data compliance, consent protocols, and privacy frameworks (like DPDP).
- Demonstrated understanding of Responsible AI principles, including fairness analysis, subgroup performance guarantees, and bias identification and mitigation.
- Experience with field work and real-world data collection.

Skills Required:

- Solid programming skills in Python, and familiarity with PyTorch/TensorFlow and ML/NLP toolchains.
- Ability to contribute to an ambitious, original research agenda and deliver impactful outcomes.
- Excellent collaboration and communication skills to work effectively in a multi-disciplinary team, and capability to coordinate across clinicians, annotation agencies, researchers, and engineering teams.
- Exceptional documentation and reporting skills, including preparing manuscripts, technical reports, and research presentations.

- Ability to manage research interns, ensure high-quality deliverables, and maintain structured workflow timelines.
- Strong interest in real-world applications and creating meaningful impact in healthcare AI.

Application Submission Process:
We invite you to embark on this journey by submitting your application to Koita Centre for Digital Health - Ashoka University. 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.

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 selection process.

Adherence to Deadlines: To ensure fairness and efficiency, please submit your application by **25th December 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.