Job Title: Postdoctoral Fellow
Reports to: Dr. Balaji Chattopadhyay, Assistant Professor, Department of Biology, Trivedi School of Biosciences
Organisation: Mphasis AI & Applied Tech Lab at Ashoka
Location: Ashoka University, Sonipat (Full-time)
Application Deadline: 30th August 2025
Experience (in years): 0-3 years after PhD

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 the Lab

The **Mphasis AI & Applied Tech Lab at Ashoka University** is a flagship initiative launched in 2020 in partnership with Mphasis, aiming to bridge academic inquiry and industry innovation. Key areas of focus include Artificial Intelligence, Health Analytics, and Dissemination, with impactful projects like **BharatSim,** which aids large-scale simulations for government and healthcare,**Centre for Health Analytics Research and Trends (CHART),** which addresses healthcare data gaps to support policy development, **AI@Ashoka** initiative, which advances AI and Machine Learning research in multiple disciplines, and The **Digital Makerspace** pillar, which promotes hands-on learning and innovation. The **CyberSecurit**y research which aims to secure implementation, optimize performance, and drive the global transition to post-quantum cryptography. This inclusive, forward-thinking space embodies Ashoka University's commitment to holistic, real-world education for tech-driven futures.

Role Overview

A postdoctoral fellow position for a project entitled 'Applications of Artificial Intelligence and Machine Learning in inferring the past demographic history of a species' funded by Mphasis is open at Department of Biological Sciences, Ashoka University to conduct research activities in the field of AI/ML applications in population genomics.

Principal Investigator: Dr. Balaji Chattopadhyay, Assistant Professor, Department of Biology, Trivedi School of Biosciences, Ashoka University.

Requirements: Preference will be given to candidates who have expertise in analyzing genomic datasets using either Unix, Python or R. Population genomic data analysis knowledge is a plus.

Eligibility: Candidates who have completed their PhD or have submitted and are waiting for their thesis defense.

Last Date for Application: 30th August 2025

Application Process: Interested individuals should email their curriculum vitae detailing relevant research experience and contact details of at least two referees (email and contact number) to Dr. Balaji Chattopadhyay at (balaji.chattopadhyay@ashoka.edu.in) by 30th August 2025.

Only shortlisted candidates will be contacted.

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.