



**Job Title:** Project Research Scientist I (Liver Tissue Biology, AI and Digital Health)

**Reports to:** Dr Rintu Kutum

Group lead, Augmented Health Systems Laboratory; Faculty Fellow, Department of Computer Science; Koita Centre for Digital Health at Ashoka (KCDH-A); Mphasis Lab for AI & Applied Tech Lab at Ashoka; Trivedi School of Biosciences, Ashoka University

**Location:** Ashoka University, Rai, Sonapat, Haryana

**Experience (in years):** 0-2

**Nature of work:** Full-time (on-site)

#### **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 Computer Science Department:**

The Department of Computer Science at Ashoka University fosters a research-driven approach to both foundational and applied areas of computing. Its unique positioning within a liberal arts environment provides a distinctive opportunity to advance core computer science research while also exploring interdisciplinary applications across the natural and social sciences. Our department values the cross-pollination of ideas from diverse fields, not only to solve existing problems but to ask novel research questions that deepen and expand the scope of computer science.

#### **Role and Responsibilities:**

The candidate will be working in the area of AI for Liver Tissue Biology at Single Cell Resolution in the project, and will be involved in integrating multi-tissue multimodal data through AI and network science. Additionally, the candidate will involve in Digital Health & AI aspects of the project.

#### **Project title:**

Portal-omics: Improving diagnosis and management of portal hypertension in patients with metabolic-dysfunction associated steatotic liver disease through endoscopic ultrasound and portal plasma characterization

**Salary (consolidated):** Rs. 61,600/- (consolidated) per month

**Working hours:** 8 hours per day Mon-Fri (9 am - 5 pm)

#### **Qualifications:**

1. a. **First-class Post Graduate Degree**, including the integrated PG degrees (Masters in Physics/ Computer

- Sciences/ Mathematics/ Computational Biology) with **2 years of experience OR**
- b. Second-class Post Graduate Degree, including the integrated PG degrees with **PhD in Computational Biology, Computational Genomics OR**
  - c. **For Engineering/ IT/ CS-First Class Graduate Degree of Four years with 2 years of experience**
2. **Strong command on open source scientific programming languages** such as Python and R
  3. **Prior experience** in AI & Digital Pathology Images or AI & Single Cell genomics or AI & Spatial Genomics will be preferred
  4. Work experience (2-3 years) will be given precedence
  5. GATE-qualified candidates with a higher score will be preferred

#### **Skills Required:**

1. **Prior experience** in AI & Computational Pathology or AI & Computational Biology or AI & Biomedical Image Informatics
2. **Prior experience** in Single Cell Genomics or Spatial Transcriptomics or Digital Pathology or multiplex IHC with Machine Learning and AI [desirable]
3. **Prior experience** with Machine Learning, and AI in Computational Biology with interest in Digital Health & AI [desirable]
2. **A good track record of scientific research articles** (not review articles) in the past 3 years would be desirable.

#### **Application Submission Process:**

We invite you to embark on this journey by submitting your application to [rintu.kutum@ashoka.edu.in](mailto:rintu.kutum@ashoka.edu.in) with the email subject as <**Application for Project Research Scientist 1 (Liver Tissue Biology, AI and Digital Health)**>. 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.

**Prepare a motivation letter:** Write a motivation letter (2 pages maximum, Font - Arial, Font size - 12, Line & Paragraph spacing - single (1.0), Regular A4 page format), reasoning about **why you are interested** in joining the research project, justify how you can **contribute with your current expertise & skillsets**, and how this project **aligns with your future career trajectory**.

**Submit Your Application:** Email **your CV** and motivation letter to [rintu.kutum@ashoka.edu.in](mailto:rintu.kutum@ashoka.edu.in), ensuring the subject line reads as follows: "<**Application for Project Research Scientist 1 (Liver Tissue Biology, AI and Digital Health)**>". This will enable us to process your application efficiently.

**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 **15 June 2026 or until position filled**.

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.