



Job Title: Junior Multimodal Engineer

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): 0-1

Open Positions: 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:

Project title: Identification of non-invasive biomarkers for ¹⁷⁷Lu-PSMA therapy response in Indian prostate cancer patients using FHIR-compliant theranostic & multi-omics data and AI

Developing EITL-FAIRified intelligent systems and integrative analysis, in collaboration with the medical officers and project team members and principal investigators

Salary (consolidated):

Rs. 30,0 00/- (consolidated) per month

Working hours: 8 hours per day Mon-Fri:

9 am - 5 pm

Qualifications:

1. Engineering/ IT/ CS-First Class Graduate Degree (First class).

2. Working experience in the area of AI, Digital Health in Theranostics data (desirable).

Skills Required:

1. **Prior experience** in designing, developing, and maintaining applications using **full-stack AI/LLM/RAG frameworks** [desirable]
2. **Working knowledge of Relational, Non-relational, and Graph Databases** [desirable]
3. Knowledge of RESTful APIs, web services, microservices, JSON, XML [desirable]
4. **Familiarity with Computational Reproducible Technologies** - version controls (git), environments (conda), Docker for containerization, deployment, and connecting with APIs [desirable]
5. **Implementation of Foundation models (fine-tuning)**, for downstream tasks in theranostic settings [desirable].
6. **Prior experience in deploying applications to Cloud Infrastructure** - AWS/Azure [desirable].
7. **A good track record of scientific research articles** (not review articles) would be desirable.

Application Submission Process:

We invite you to embark on this journey by submitting your application to rintu.kutum@ashoka.edu.in with the email subject as **<AHLS/Theranostics/Junior Multimodal Engineer>**. 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** (example - [Junior Multimodal Engineer_CV_YourName.pdf](#)) and motivation letter (example - [Junior Multimodal Engineer_motivation_letter_YourName.pdf](#)) to rintu.kutum@ashoka.edu.in, ensuring the subject line reads as follows: “**<AHLS/Theranostics/Junior Multimodal Engineer>**”. 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 **30 May 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.