Role Summary

The **Airawat Research Foundation (ARF)** was established as the National AI Centre of Excellence (CoE) for Sustainable Cities under the Ministry of Education, Government of India. Conceived as a forward-looking initiative, ARF is built on the belief that AI and data-driven innovation can fundamentally transform how Indian cities are designed, governed, and sustained.

ARF operates as a collaborative platform bringing together leading academic institutions, government bodies, and industry partners to advance **r**esearch, experimentation, and deployment of AI solutions for urban transformation. The foundation focuses on critical domains including clean air, energy, urban mobility, digital governance, and waste management, developing practical tools and frameworks that enable cities to become more resilient, efficient, and citizen-centric.

ARF's work bridges the gap between policy and technology, creating an ecosystem where data scientists, city administrators, and innovators can co-develop responsible AI models and systems aligned with India's goals of sustainable and inclusive urban growth.

If you are passionate about using cutting-edge technology to solve real urban challenges, the Airawat Research Foundation offers a unique opportunity to shape the future of Indian cities. By joining ARF, you will work at the intersection of AI, governance, and sustainability contributing to pioneering research, transformative public-sector projects, and policy innovations that will influence how India's cities evolve over the next two decades.

Support the evolution of existing urban technology products into scalable, user-aligned systems. The role bridges technical understanding with functional coordination translating user needs into structured product requirements, managing integrations, and ensuring systems perform reliably across data and operational contexts.7

Key Responsibilities:

- Communicate user requirements and operational insights to technical teams as clear, structured functional requirements.

- Identify opportunities for system optimization, data standardization, and integration across existing products and client environments.

- Participate in functional testing of system components, ensuring coverage of significant quality characteristics such as data accuracy, responsiveness, and interoperability.

- Collaborate with design, domain, and technical leads to refine user experiences and improve how insights translate into action.

- Document process workflows, dependencies, and change logs to support iterative product development.

- Track system performance, identify recurring issues, and assist in defining lightweight solutions or improvements.

- Contribute to packaging and deployment of product modules in coordination with implementation teams.

Preferred Experience:

- 2–4 years of experience in backend development, data systems, or product delivery environments.

- Practical understanding of databases, data structures, and basic algorithmic logic.

- Exposure to API-based integrations or data exchange frameworks.

- Comfort interpreting user needs, workflows, or operational pain points and translating them into functional deliverables.

- Strong analytical and coordination skills; capable of balancing technical detail with product direction.

Nice to Haves:

- Familiarity with GIS or spatial data environments.

- Experience with civic, environmental, or infrastructure-related digital systems.

- Ability to think in terms of “closed loops” ; connecting insights from data back into operational or user workflows.