

Job Title: Head of Data and AI for Governance

Location: Bengaluru/ Hybrid

Background:

Millions of people are migrating to cities in search of better opportunities, leading to rapid urbanization. Digital technologies are crucial in enabling the coordinated development, accessible service delivery, and effective governance of these growing urban centers. The Government of India, under initiatives like the Smart Cities Mission and through platforms such as UPYOG, is establishing foundational data registries and service delivery systems to support this urban transformation. The increasing use of artificial intelligence (AI) has the potential to enhance urban governance platforms to make it easier for citizens to access services, create copilots for India's front line workers, and intelligent governance assistants for administrators.

With the increasing availability of data from existing systems such as GIS, IoT, social media, and other sources, combined with advanced AI algorithms, it is now possible to build AI-powered Digital Twins. [eGov Foundation](#) has partnered with National AI CoE for Sustainable Cities to propose the execution of a unified, open-source Digital Twin platform, which will be developed and implemented through three specific use cases: Unified Service Delivery, Climate Resilient Infrastructure, and Coordinated Governance. This platform will be scalable and adaptable, allowing for its implementation at central, state, and city levels as well as its expansion to cover more use cases going forward. National AI COE for Sustainable Cities is looking to hire a Head of Data and AI for Governance to drive this vision and lead a team of data and AI engineers to deliver an AI powered platform for governance.

About National AI CoE for Sustainable Cities

Recognizing the critical role of technology in addressing urban challenges, the National AI CoE for Sustainable Cities has been established as a forward-thinking initiative. With initial seed funding for four years from the Ministry of Education, Government of India, ARF aims to explore how AI can transform urban governance. The foundation's mission aligns with India's broader goals of sustainable urbanization and equitable development by advancing research and innovation in AI-driven urban solutions.

If you are passionate about leveraging cutting-edge technology to address some of the most pressing urban challenges of our time, the National AI CoE offers a unique opportunity to make a meaningful impact on how Indian cities will be designed in the coming two decades. National AI CoE is actively seeking individuals with diverse expertise in artificial intelligence, urban planning, data science, governance, and related fields. By joining our team, you can contribute to groundbreaking research, innovative policy solutions, and transformative projects that aim to shape the future of urban development in India.

Key Responsibilities

- **Strategic Vision & Execution:** Define and drive the long-term strategy for application of Data Analytics and AI to urban governance and service delivery. Convert strategy to execution roadmap and projects.
- **Team Leadership & Development:** Build, manage, mentor, and provide technical guidance to a multidisciplinary team, including Data Scientists, Engineers, and Analysts. Foster a collaborative environment focused on high performance, continuous learning, and innovation.
- **Data Architecture & Governance:** Develop and enforce robust data governance frameworks, ensuring data quality, security, and compliance. Oversee the design and optimization of data systems, storage architectures, and pipelines to enable seamless processing of large, complex datasets.
- **AI/ML Product/Solution Development & Deployment:** Identify, Design and Develop AI Enabled Product and Solutions. Ensure they are deployed and adopted so that value is being delivered.
- **Cross-Functional Collaboration:** Work closely with Data Engineers, AI/ML Engineers, MLOps, and other technical teams to ensure smooth integration of data pipelines, model development, and deployment. Provide technical leadership and guidance to ensure high-quality and timely delivery of AI solutions.
- **Operational Efficiencies & Innovation:** Identify and implement improvements in data handling, processing, and storage that drive operational efficiencies. Innovate new ways to utilize data sources, improve model performance, and optimize workflows for AI model training and deployment.
- **Research & Tool Evaluation:** Stay at the forefront of AI, machine learning, and data

science research. Evaluate emerging tools, platforms, and methodologies to enhance AI model development, data processing, and overall governance.

You're a great fit if you have

Passion for using technology for social good and a commitment to making a difference.

- **Education:** Master's degree in Data Science, Computer Science, Statistics, Mathematics, or a related field.

Experience:

- 10+ years of experience in data science, machine learning, and AI model development.
- Proven track record in managing and leading cross-functional teams in data and AI projects.
- Strong experience in working with large, complex datasets, including structured, unstructured, and spatial data.
- Hands-on experience with developing and deploying LLMs, AI models, and related technologies.
- Extensive experience with data governance and data privacy policies.
- Background in the urban sector or public service delivery will be a plus.

Skills and Competencies:

- Strong leadership and mentoring capabilities.
- Expertise in AI/ML frameworks, deep learning, and big data technologies.
- Ability to communicate complex technical concepts to non-technical stakeholders.
- In-depth knowledge of data architecture, data processing, and data pipelines.
- Solid understanding of data governance best practices and regulatory compliance is a plus

Ready to make a difference?

Apply today and be part of something bigger. Let's leverage data and AI to create a more equitable future

We are committed to creating a diverse, equitable, and inclusive work environment. We welcome applications from all qualified candidates, regardless of background, experience, abilities, or perspectives.