Job Title: Data Analyst

Location: Chandigarh, Punjab

Reports to: Manager- Data & Strategy

Background:

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, the National AI CoE for Sustainable Cities 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:

- Analyze, clean, and prepare datasets; engineer features and apply basic statistics.
- Design and evaluate ML models and geospatial methods using Python (pandas, scikit-learn, TensorFlow).
- Apply GIS tools like QGIS and Python GIS libraries for spatial analysis.
- Utilize Hugging Face APIs for NLP tasks such as document processing or classification.
- Build visualizations and dashboards using Tableau or matplotlib.
- Identify and prioritize AI use cases based on data availability and potential impact.
- Collaborate with public sector stakeholders and support real-world deployment.
- Work within an interdisciplinary team, contributing to both technical and research objectives.

Requirements:

- 3–5 years of experience in data analysis or applied machine learning.
- Proficiency in Python, including ML and data libraries.
- Experience with QGIS and geospatial data handling.
- Strong visualization and communication skills.
- Ability to independently manage tasks and engage with diverse teams.
- Research capability in both technical methods and socio-environmental contexts.

Preferred:

- Public sector or social impact experience.
- Familiarity with NLP, Hugging Face, and MLOps tools.
- Understanding of ethical AI and data governance principles.

What We Offer:

- Opportunity to shape impactful AI projects in India and globally
- Collaborative, mission-driven environment.
- Access to cutting-edge tools and expert mentorship.