



## **Job Description: Data Science and GIS Expert**

### **About SEEDS**

SEEDS (Sustainable Environment and Ecological Development Society) is a not-for-profit organisation that enables every individual with practical solutions towards disaster lifecycle management and sustainable environment. It builds self-reliant, resilient, and sustainable communities across boundaries using innovation and engaging at grassroots. Since 1994, the organization has worked extensively on every major disaster in the Indian subcontinent - grafting innovative technology on to traditional wisdom. It has reached out to families affected by disasters and climate stresses; strengthened and rebuilt schools and homes; and has invariably put its faith in skill-building, planning and communications to foster long-term resilience.

SEEDS is also India's first agency to be certified for the global core humanitarian standards – an international certification system for quality and accountability in humanitarian response and is recognized for its 30 years of service in disaster and environment by United Nations Sasakawa Award in 2022 and Government of India Subhash Chandra Bose Aapda Prabandhan Award in 2021. SEEDS completed nearly three-decade-long service to humanity rebuilding more than 62,000 homes, 650 schools and healthcare facilities, school safety programmes for more than a quarter million children, disaster management plans for 500+ communities, emergency assistance to more than 830,000 people. It has positively impacted the lives of more than six million people by re-anchoring its approach to building resilience through innovation. It continues to empower the most vulnerable across Asia to build a better future.

For more information, visit [www.seedsindia.org](http://www.seedsindia.org)

### **Position**

We are seeking a highly skilled and experienced Expert in GIS and mapping to support disaster and climate risk management projects. The successful candidate will have a passion for using GIS and mapping technology to inform and improve decision-making related to disaster and climate risk management.

### **Responsibilities**

- Use GIS and mapping technology to analyse and map disaster and climate risk data, including hazard, vulnerability, and exposure information.
- Design, Develop, implement, and maintain GIS databases and web-based mapping applications to support disaster and climate risk management decision-making.
- Work closely with project teams to design and develop GIS and mapping tools, incorporating data science and coding principles to support decision-making.
- Overseeing the planning and coordination of GIS activities to meet the outlined goals.
- Conduct spatial analysis and modelling to support disaster and climate risk management planning and response.
- Provide technical support and training to project staff and government officials on the use of GIS and mapping technology for disaster and climate risk management.

- Keep abreast of the latest GIS and mapping technologies and trends and recommend innovative solutions to enhance project outcomes.
- Prepare maps, reports, and other visualizations to communicate project results and recommendations to stakeholders.
- Develop standard operating procedures and guidelines for GIS and mapping work to ensure consistency and quality across projects.
- Participate in inter-agency and inter-governmental coordination and collaboration in disaster and climate risk management.
- Assist with the development of concept notes and responses to RFPs as part of business development.

### **Qualifications**

- Advanced degree in GIS, geomatics, geography, or a related field
- Proven experience of at least 5+ years in GIS and mapping for disaster and climate risk management or related field
- Strong technical skills in GIS software and mapping technology, including ArcGIS, QGIS, and open-source GIS tools.
- Familiarity with data science principles and coding languages such as Python, R, or Java
- Strong analytical, strategic planning, and problem-solving skills
- Excellent written and verbal communication skills.
- Strong understanding of institutional framework of government
- Familiarity with spatial statistics, remote sensing, and other relevant tools and technologies is an advantage.
- Strong project management experience. Certificate course in project management is an advantage.
- Proven experience in GIS and mapping software, including ArcGIS, QGIS, and open-source GIS tools is an advantage.

### **We Value**

- Ability to collaborate with teams in a multi-cultural, multi-disciplinary environment.
- Ability to work in partnerships.
- Strong analytical and persuasion/negotiation skills, with the ability to influence, negotiate, motivate, advocate, and resolve conflict.
- Ability to succeed in often interrupt-driven, ambiguous, and highly flexible environments.
- Ability to work and deliver independently as well as part of a team.
- Ability to understand the implications and assess the appropriate degree of acceptable risk and take actions to minimize risk.

### **Location**

New Delhi

### **Travel**

Willing to travel up to 30% of the time, sometimes in emergency situations.

### **Term**

2 years; possibility to extend.

**Joining Date**

TBD: Applications will be assessed on a rolling basis. Please note that only shortlisted candidates will be contacted.

**Pay Scale**

40,000- 54,000 INR per month

**How to Apply**

Please send the following to [joinus@seedsindia.org](mailto:joinus@seedsindia.org) with the subject "Application: Data Science & GIS Expert":

1. Resume
2. Cover letter highlighting your interest, experience, and availability.
3. Mention current and expected CTC.

At our organization, we believe that diversity and inclusiveness are key to creating a dynamic and innovative workplace. While we welcome applications from those with the required academic qualifications, we also encourage individuals with significant interest in this area of work to apply. We value experience and knowledge gained through non-traditional academic paths and believe that everyone should have equal opportunities to succeed.

We also encourage applicants from all genders, ethnicities, and backgrounds to apply, as we believe that diversity in our team brings a wealth of perspectives and ideas that contribute to the success of our projects. Additionally, we celebrate linguistic diversity and welcome applicants who speak multiple languages.

Join our team and be a part of an inclusive and dynamic work environment that is committed to making a positive impact in the world.

For more information about the organisation, visit us at [www.seedsindia.org](http://www.seedsindia.org)