



## **Job Description: Product AI/ML 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 Developing and implementing effective technology-enabled solutions for humanitarian actions, disaster and climate risk management using AI and ML techniques.

### **Responsibilities**

- Develop and implement effective technology-enabled solutions for humanitarian actions, disaster and climate risk management using AI and ML techniques.
- Collect, clean, and pre-process large and complex datasets from various sources, including satellite imagery, sensor data, and social media.
- Develop and apply advanced statistical and machine learning models to analyse and extract insights from data.
- Identify patterns and trends in data that can inform decision-making in disaster and climate risk management.
- Develop and deploy predictive models to forecast and mitigate the impact of disasters and climate risks.
- Collaborate with domain experts and stakeholders to understand their needs and develop solutions that meet those needs.
- Communicate results and insights to stakeholders in a clear and actionable manner.

- Stay updated on the latest developments and best practices in AI and ML for humanitarian actions, disaster, and climate risk management.
- Contribute to the development of open-source software, tools, and platforms to support humanitarian actions, disaster, and climate risk management.
- Participate in inter-agency and inter-governmental coordination and collaboration in disaster and climate risk management.

**Qualifications**

- Advanced degree in Computer Science, Data Science, Artificial Intelligence, or a related field
- Strong programming skills in Python, R, or other relevant languages
- Proven experience in developing and deploying AI/ML models on AWS/ Azure
- Strong background in statistics and machine learning
- Experience with big data platforms and tools such as Hadoop, Spark, and AWS is an advantage.
- Strong understanding of humanitarian actions, disaster, and climate risk management
- Excellent written and verbal communication skills.
- Strong problem-solving skills and ability to work independently.
- Experience working with government agencies, non-governmental organizations, and community groups 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**

50,000- 65000 INR per month

**How to Apply**

Please send the following to [joinus@seedsindia.org](mailto:joinus@seedsindia.org) with the subject "Application: Product AI/ML 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)