



*"Earth Observation for Social & Environmental Impact"*

## INTERNSHIP

**REMOTE SENSING SPECIALIST (CROPS & SOIL)**

### COMPANY

Space4Good is an innovative social enterprise utilising earth observation technology for social and environmental impact. Combining remote sensing, GIS and artificial intelligence, we map, analyse and model complex ecosystems and support leading organisations and institutions on topics such as regenerative agriculture, tropical agroforestry management and humanitarian aid. By doing so we help impact makers on the ground to make more informed decisions, improve operational efficiency, create data-driven transparency and unlock new revenue sources.

### INTERNSHIP GOAL

**Use open source and time series satellite earth observation data to 1) build a crop classification model and 2) predictive crop health mapping**

### RESPONSIBILITIES

You will be helping a technical expert perform a specialized task whose outputs will fit into the wider geo-data pipeline. This starts with a proactive approach to collecting relevant requirements, as well as the actual development of the agreed deliverables. Specifically you will analyze different time series approaches, and develop a method to classify crops using one or more time series approaches. Using the classified crop layer as a basemap, you would then predict or detect crop health based on different factors. The aim of this internship is to identify how a time series of radar or optical data can help the crop health assessment in smallholder farms such as those located in India. You will have great personal freedom in fulfilling these responsibilities and the opportunity to grow into your preferred expert area.

### PROFILE

We are looking for somebody who has:

- Experience with geo-information and remote sensing
- Familiar with optical and/or radar satellite data processing (specifically Sentinel)
- Preferred programming skills in Python, potentially also in R and JavaScript (Google Earth Engine)
- Fluent in English
- Enrolled in a university masters program
- Available for at least 4 months
- Ability to work independently and among diverse team members
- Passion for social and environmental impact!

### CULTURE

Space4Good is a registered B. Corporation following an impact-first principle. We achieve our mission of using earth observation for social and environmental impact through service leadership which leads to a fulfilling work environment of trust, initiative, collaboration and customer orientation. We operate both project and service-based creating opportunities to engage in challenging state-of-the-art technical innovation as well as globally scalable and affordable applications. We aim to engage with partners and clients with the highest impact potential, who we support through small, dynamic team structures and iterative development cycles embracing fun and professionalism at the same time.

### CONTACT

In return we want to offer you this unique opportunity of professional and personal development while not only leaving a mark in society but also at the very core of our company DNA! Sounds like your dream job? Tell us why and attach your CV to [internships@space4good.com](mailto:internships@space4good.com).