

Simplify Sustainability Data With Computer Vision & Geospatial AI

Gramener's data science solutions provide timely & efficient analysis of sustainability data at a reasonable cost.



ESG-focused Applications – Computer Vision & Geospatial AI



Computer Vision

Automate biodiversity monitoring using species detection, monitoring & identification API built on Microsoft Azure



Geospatial AI

Create geographical visualization models using spatial data from sensors & satellite imagery to better understand parameters like population density, etc.

Key Use-Cases



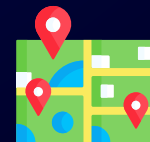
Climate Risk Assessment

Leverage satellite imagery & deep learning models to assess risk exposure to extreme weather & disasters



Urban Planning

Improve turnaround time & accuracy of urban planning using geospatial AI



Land-use Mapping

Assess key indicators pertaining to land-use, forest cover, soil health, agricultural productivity & more



AI in Healthcare

Automate insights for monitoring & prediction of the spread of a disease by leveraging geospatial AI



Biodiversity Monitoring

Leverage computer vision to detect species in images from camera traps, satellites or aerial photography



Crowd Counting

Train machine learning models to quantify terrestrial or marine species from image or video repositories

Collaborating on Projects as Microsoft Gold ISV Partner

Gold
Microsoft Partner
 Microsoft



Developed a Deep Learning Algorithm for the **Nisqually River Foundation** to identify & protect Salmon fish species with 73% improved accuracy



Created a Data Visualization tool for **Evergreen Canada** to help city municipalities identify Urban Heat Islands (UHI) & reduce the negative effects of climate change



Trained a Deep Learning Model for **Save The Elephants** initiative to detect elephant population aerially & alert authorities to prevent poaching



Developed a Computer Vision Model for the **World Mosquito Program (WMP)** that saved 5 million lives by creating an efficient release plan for genetically modified mosquitoes & control the spread of diseases



Created a Flood Risk Assessment Model for **SEEDS** India that helped identify water-logged houses with 96% accuracy



Learn more