

Title	Year	Target Location	Researchers' Location (Region)	Data Topic	Application Areas	Risks
A citrus fruits and leaves dataset for detection and classification of citrus diseases through machine learning [48]	2019	Pakistan	Pakistan (Global South)	Products	Agri. & fishing	Spoofing
A Comparative Study on the Effectiveness of Adaptive Exergames for Stroke Rehabilitation in Pakistan [29]	2018	Pakistan	Pakistan (Global South)	Human	Healthcare	N/A
A computer vision model development for size and weight estimation of yellow melon in the Brazilian northeast [9]	2019	Brazil	Brazil (Global South)	Products	Agri. & fishing	N/A
A novel database for automatic processing of Persian handwritten bank checks [4]	2018	Iran	Iran (Global South)	Characters	Safety	Spoofing
A Potent Model to Recognize Bangla Sign Language Digits Using Convolutional Neural Network [25]	2018	Bangladesh	Bangladesh (Global South)	Human	Assistive tech.	N/A
A role of computer vision in fruits and vegetables among various horticulture Products of agriculture fields: A survey [53]	2019	India	India (Global South)	Products	Agri. & fishing	Spoofing
Automated quality assessment of cocoons using a smart camera based system [43]	2018	India	India (Global South)	Products	Agri. & fishing	N/A
An automated computer vision based preliminary study for the identification of a heavy metal (Hg) exposed fish- <i>channa punctatus</i> [26]	2019	India	India (Global South)	Products	Agri. & fishing, Safety	Spoofing
An Efficient Approach for Automatic Number Plate Recognition for Low Resolution Images [31]	2016	India	India (Global South)	Characters	Surveillance, Transportation	Privacy, Psych. harms, Spoofing
An Image Processing Approach to Detect Lanes, Pot Holes and Recognize Road Signs in Indian Roads [11]	2012	India	India (Global South)	Outdoor scenes	Safety, Transportation	Spoofing
Application of machine vision for performance enhancement of footing machine used in leather industry of Pakistan [17]	2013	Pakistan	Pakistan (Global South)	Products	Agri. & fishing	N/A
BornoNet: Bangla Handwritten Characters Recognition Using Convolutional Neural Network [44]	2018	Bangladesh	Bangladesh (Global South)	Characters	Assistive tech.	N/A
Can Human Development be Measured with Satellite Imagery? [22]	2017	Global South	United States (Global North)	Satellite	Policy plan., Safety, Surveillance	Privacy, Spoofing
Computer vision based intruder detection framework (CV-IDF) [51]	2017	Pakistan	Pakistan (Global South)	Human	Surveillance	Discrimination, Privacy, Psych. harms, Spoofing
Computer vision based road traffic accident and anomaly detection in the context of Bangladesh [16]	2014	Bangladesh	Bangladesh (Global South)	Outdoor scenes	Policy plan., Safety, Transportation	Privacy
Cross border intruder detection in hilly terrain in dark environment [46]	2016	India	India (Global South)	Human	Policy plan., Surveillance	Discrimination, Privacy, Spoofing
Deep automatic license plate recognition system [27]	2016	India	India (Global South)	Characters	Surveillance, Transportation	Privacy, Psych. harms, Spoofing
Deep Domain Adaptation for Face Recognition using images captured from surveillance cameras [7]	2018	India	India (Global South)	Human	Surveillance	Discrimination, Privacy, Psych. harms, Spoofing
Design and implementation of vehicles identification and tracking system [37]	2019	Iraq	Iraq (Global South)	Characters	Surveillance, Transportation	Privacy, Psych. harms, Spoofing
Developing a bangla currency recognizer for visually impaired people [38]	2019	Bangladesh	Bangladesh (Global South)	Characters	Assistive tech.	Spoofing
Development of a computer vision based Eggplant grading system [5]	2017	Bangladesh	Bangladesh (Global South)	Products	Agri. & fishing	N/A
Development of smart phone-based child health screening tools for community health workers [18]	2017	India	United States (Global North)	Human	Healthcare	N/A

Table 1: Complete data collection log used in this study.

Title	Year	Target Location	Researchers' Location (Region)	Data Topic	Application Areas	Risks
DroneSURF: Benchmark Dataset for Drone-based Face Recognition [28]	2019	India	India (Global South)	Human	Surveillance	Discrimination, Privacy, Psych. harms, Spoofing
Embedded CNN based vehicle classification and counting in non-laned road traffic [10]	2019	India	India (Global South)	Outdoor scenes	Policy plan., Transportation	Spoofing, Privacy, Spoofing
Field evaluation of a camera-based mobile health system in low-resource settings [15]	2014	Zimbabwe	United States (Global North)	Medicine	Healthcare	N/A
Fish-Pak: Fish species dataset from Pakistan for visual features based classification [50]	2019	Pakistan	Pakistan (Global South)	Products	Agri. & fishing, Policy plan.	N/A
Frugal signal control using low resolution web-camera and traffic flow estimation [33]	2014	Global South	Japan (Global North)	Outdoor scenes	Policy plan., Surveillance, Transportation	Privacy, Spoofing
Geometry-based mass grading of mango fruits using image processing [36]	2017	Bangladesh	Bangladesh (Global South)	Products	Agri. & fishing	N/A
Green to gray: Silicon Valley of India [8]	2018	India	India (Global South)	Satellite	Policy plan.	N/A
Human Iris Recognition for Clean Electoral Process in India by Creating a Fraud Free Voter Registration List [12]	2016	India	India (Global South)	Human	Surveillance	Discrimination, Privacy, Psych. harms, Spoofing
IDD: A Dataset for Exploring Problems of Autonomous Navigation in Unconstrained Environments [54]	2019	India	India (Global South)	Outdoor scenes	Safety, Transportation	Privacy, Spoofing
Improving age measurement in low- and middle-income countries through computer vision: A test in Senegal [23]	2019	Senegal	United States (Global North)	Human	Policy plan.	Discrimination, Privacy, Spoofing
Infrastructure Quality Assessment in Africa using Satellite Imagery and Deep Learning [41]	2018	Africa	United States (Global North)	Satellite	Policy. plan, Safety	Privacy
Integrating ODK Scan into the community health worker supply chain in Mozambique [14]	2013	Mozambique	United States (Global North)	Medicine	Healthcare	N/A
Intelligent traffic management system for cross section of roads using computer vision [42]	2017	Bangladesh	Bangladesh (Global South)	Outdoor scenes	Policy plan., Transportation	Privacy
Land Use Classification and Analysis Using Radar Data Mining in Ethiopia [52]	2017	Ethiopia	United States (Global North)	Satellite	Policy plan.	N/A
Machine vision based papaya disease recognition [20]	2018	Bangladesh	Bangladesh (Global South)	Products	Agri. & fishing	Spoofing
Mapping Informal Settlements in Developing Countries using Machine Learning and Low Resolution Multi-spectral Data [19]	2019	Global South	Europe (Global North)	Satellite	Policy plan. Safety	Privacy, Spoofing
Mapping Missing Population in Rural India: A Deep Learning Approach with Satellite Imagery [24]	2019	India	United States (Global North)	Satellite	Policy plan., Safety	Privacy
Mining visitors in Video Surveillance system [35]	2015	India	India (Global South)	Human	Surveillance	Discrimination, Privacy, Psych. harms, Spoofing
Mobile Imagery eXchange (MIX) toolkit: data sharing for the unconnected [32]	2015	Global South	Malaysia (Global South)	Medicine	Healthcare	N/A
Mobile tools for point-of-care diagnostics in the developing world [13]	2013	Global South	United States (Global North)	Medicine	Healthcare	N/A
Plant Disease Diagnosis System for Improved Crop Yield [39]	2014	India	India (Global South)	Products	Agri. & fishing	Spoofing
Real-time computer vision-based Bengali Sign Language recognition [45]	2014	Bangladesh	Bangladesh (Global South)	Human	Assistive tech.	N/A
Smallholder crop area mapped with wall-to-wall WorldView sub-meter panchromatic image texture: A test case for Tigray, Ethiopia [40]	2018	Ethiopia	United States (Global North)	Satellite	Agri. & fishing, Policy plan.	Privacy, Spoofing

Table 2: Complete data collection log used in this study.

Title	Year	Target Location	Researchers' Location (Region)	Data Topic	Application Areas	Risks
Snatch theft detection in unconstrained surveillance videos using action attribute modelling [49]	2018	India	India (Global South)	Human	Surveillance	Discrimination, Privacy, Spoofing
Solving visual pollution with deep learning: A new nexus in environmental management [3]	2019	Bangladesh	Bangladesh (Global South)	Outdoor scenes	Policy plan.	Spoofing
SpotGarbage: smartphone app to detect garbage using deep learning [34]	2016	India	India (Global South)	Outdoor scenes	Policy plan. Safety	Spoofing
Targeting direct cash transfers to the extremely poor [1]	2014	Kenya	United States (Global North)	Satellite	Policy plan., Safety	Discrimination, Privacy, Spoofing
The Indian Spontaneous Expression Database for Emotion Recognition [21]	2015	India	India (Global South)	Human	Assistive tech., Surveillance	Discrimination, Privacy, Spoofing
Transfer learning approach to map urban slums using high and medium resolution Satellite imagery [55]	2019	India	India (Global South)	Satellite	Policy plan.	Discrimination, Privacy, Spoofing
Twende-twende: a mobile application for traffic congestion awareness and routing [30]	2014	Kenya	Kenya (Global South)	Outdoor scenes	Policy plan., Surveillance, Transportation	Privacy, Spoofing
Vehicle navigation in GPS denied environment for smart cities using vision sensors [6]	2019	Pakistan	Pakistan (Global South)	Outdoor scenes	Transportation	Spoofing
Video analytics solution for tracking customer locations in retail shopping malls [47]	2011	India	India (Global South)	Human	Surveillance	Discrimination, Privacy, Psych. harms
Visual features based boosted classification of weeds for real-time selective herbicide sprayer systems [2]	2018	Pakistan	South Korea (Global North)	Products	Agri. & fishing	N/A

Table 3: Complete data collection log used in this study.

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