

Curriculum Vitae

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Educational Qualifications:

- Pursuing **PhD in Geoinformatics and Natural Resources Engineering** from CSRE, IIT Bombay (2023 – onwards)
- **Post Graduate Diploma in Remote Sensing and GIS with specialization in Agriculture & Soil** (2022-23) from Indian Institute of Remote Sensing, ISRO, Dehradun
- **M.Sc. (Agriculture) in Agricultural Meteorology** from Bidhan Chandra Krishi Viswavidyalaya, West Bengal
- **B.Sc. (Hons) Agriculture** (2016-2020) from Bidhan Chandra Krishi Viswavidyalaya, West Bengal

Research Experience:

- **PhD (ongoing):** Passive Microwave Remote Sensing of Soil Moisture and Vegetation
- **PGD Research Topic:** Estimating Irrigation Water Requirement using Satellite Remote Sensing and Meteorological Data
- **M. Sc Research Topic:** Estimation of Inundation Extent of Potato Growing Areas of Purba Bardhaman, West Bengal, using Optical & Microwave Remote Sensing

Field Experience:

- Rural agricultural work experience (RAWE) for 6 Months.
- Experimental learning programme in mushroom cultivation & soil plant & water testing
- Internship from Imperial School of Agri-Business Management in roles of Drone technology in better farming

Remote Sensing & Technical Skills:

- ArcGIS, QGIS, SAGA GIS, Envi, ERDAS Imagine, Snap, Google Earth Engine, Arctomtoolbox, Timesat, ILWIS
- Programming Knowledge in Python & MATLAB

Awards and achievements:

- **Gate** qualified in **Geomatics Engineering with all India rank 16** in 2023 (Score 774)
- **NET** qualified in **Agricultural Meteorology (ASRB/ICAR-NET-2023)**
- Golden Jubilee Fellowship awardee in Indian Institute of Remote Sensing
- AICE-JRF/SRF qualified with all India 23 rank in Agricultural Meteorology