

# AVNISH DWIVEDI



## Contact

### Address:

Jipura, Madori, Jalaun,  
Uttar Pradesh (285128)

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## Education

Integrated M. Tech :  
**Geoinformatics** – 2018  
**Central University of  
Jharkhand**

**7.06**

Intermediate : PCM – 2013,  
CBSE

**84.2%**

High School : PCM – 2011,  
CBSE

**9.6**

## Summary

Motivated and results-orientated professional in (GIS) with 1+ year of experience in geospatial and remote sensing analysis. Good analytical and problem solving skills, with eye for detail.

Experienced with managing multiple databases and working on multiple projects simultaneously.

Strong organizational skills, as well as the ability to multi-task, work independently and as a team player. Familiarity with web-mapping applications using Google Earth Engine, R and python.

## Skill Highlights

- ArcGIS
- ERDAS Imagine
- ENVI
- SNAP
- Q-GIS
- R
- Google Earth Engine
- Python

## Experience

### Remote Sensing Executive

**Duration** – Jan 2019 to Present

**Leads Connect Services Pvt. Ltd**, Noida

**Projects** – PMFBY - Crop Insurance & MNCFC – GP level Crop Yield estimation using Technology.

### Roles and Responsibilities -

- Processing satellite imagery to create products such as NDVI, NDWI, LULC maps etc for further analysis.
- Image processing, time series analysis and predictive analytics.
- Develop and use crop modeling and geo-spatial tools to understand and predict yield.
- Prepare or deliver reports of geospatial project information such as Crop monitoring, Localized Claim, catastrophe assessment, Change analysis, Crop acreage estimation.
- Develop project concepts and maintain optimal workflow.
- Conduct research into the application or enhancement of remote sensing technology.
- Implement or write processing scripts in R and GEE to minimise the risk of error and time frame.
- Worked on datasets such as SMAP (Soil moisture active Passive), MODIS data, Landsat Data, SAR, Sentinel 2, TRMM etc.

## Certifications

ARSET (certificate): **SAR for Disasters and Hydrological applications.**

## Dissertation/ Project work experience

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- Evaluating Land use/ Land cover Classification using Optical and Microwave Remote sensing, **Central University of Jharkhand**, Ranchi, 6 Months of Dissertation, UG, Year of completion 2017.
  - Urban roof area mapping and Built up Characterization using hyperspectral and optical Remote Sensing, **Central University of Jharkhand**, 12 Months of Dissertation, PG, Year of completion 2018.
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## Training Programme/Internship

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- One month Summer Internship at **Central Water Commission**, New Delhi in the Hydrology Department of CWC on Flood Estimation Report (FER) of Krishna Basin during May 2016 – June 2016.

## Personal Details

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Date of Birth : 20 Feb 1997  
Sex : Male  
Nationality : Indian  
Marital Status : Unmarried  
Hobbies : Cricket, Volleyball, Sketching, Athletic meets