



# Shreya Oberoi

## Geologist

### Skills

#### Hard Skills

- ArcGIS
- QGIS
- ERDAS IMAGINE
- Google Earth Engine
- Microsoft excel
- Microsoft PowerPoint
- Research skills

#### Soft Skills

- Good communication skills
- Creative and Analytical thinking
- Dedication and Perseverance
- Work well under stressful conditions

Geologist with 1.9 years experience of working as Mining Inspector in DMG, Haryana. Extremely driven with a goal of self development and growth. Seeking a position where I can put my skills and knowledge to best use. With keen interest in Remote Sensing, GIS and basic experience of the same, I wish to work in this domain to enhance my skillset and knowledge.

NET 2020 Qualified in Earth;  
Atmospheric; Ocean and Planetary  
Sciences



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### Work Experience

#### 1. Mining Inspector.

Mines and Geology Department, Haryana  
February 2021 to October 2022

#### Roles and Responsibilities:

- Inspect Mining and excavation sites
- Check illegal mining
- Study the impact of Mining in Aravallis with the help of Google Earth Engine
- Issue permit for mining and excavation
- Joint inspection of Crusher zones with government officials
- Managing legal cases and Police complaints against illegal miners
- Inspection reports
- Maintaining data including penalty, revenue, operational crushers, permits etc
- Attending regular meetings with DC, SDMs, Police officials

#### Achievements

- Seized around 30 vehicles involved in illegal transportation of minerals.
- Helped recover penalty amount of around Rs 1,50,000/- from illegal miners.
- Filed around 150 police complaints against illegal miners.

## 2. Dissertation work

Worked on "Investigating link between Gravel-Sand Transition and river slope of Himalayan Rivers" which involved application of Geomorphology, river science and GIS

## 3. Internship

Worked as Summer Research Fellow at Wadia Institute of Himalayan Geology. The project involved study of "Spatio- Temporal variability in surface ice velocity of major glaciers in Doda Valley, Jammu and Kashmir. Worked on softwares like ArcGIS, ENVI, ERDAS IMAGINE

## Education History

### • Masters in Geology (2018-20)

Hansraj College, Delhi University

Scored 79.91%

#### Field Experience

- Field work in Narnaul, Haryana. Main objective was to understand the aspects related to Economic Geology involving mineral formation and mining.
- Field work in Kumbalgarh, Rajasthan. Main objective was structural mapping of the region and understanding lithology and geological history.

### • Bachelors in Geology(2015-2018)

Hansraj College, Delhi University

Scored 77.05%

#### Field Experience

- Field work in Delhi involving structural mapping of quartzite rocks and understanding condition of formation.
- Field work in Dehradun, Uttarakhand. Main objective was to study Shiwalik Ranges, Main frontal thrust, Main boundary thrust.
- Field work in Jodhpur, Rajasthan involving basic training of measuring dip, strike and plunge of structural features.

### • 12th standard (2015)

Central Board of Secondary Education

Scored 93.6%

## Participation and Trainings

- Participated in Prithvi'16, IIT Kharagpur
- Active member of American Association of Petroleum Geologists.
- Undergone GIS Training Program conducted by Central university of Karnataka.
- Undergone QGIS training by Geotech GIS Training institute, Aurangabad.