



# SOMRAJ MISRA

## Geology Student

A dedicated and motivated student, obtained a Master's degree in Applied Geology at the University of Calcutta. Possessing knowledge in the domain of Geology

### Personal Information:

**DOB:** 24-06-1996

**Address:** Thakur panchanan  
sarani, 2<sup>nd</sup> mile, Siliguri-734001

**Phone:** +91-7001874689

**Email:**  
[somrajmisra24@gmail.com](mailto:somrajmisra24@gmail.com)

**Known language:**  
English, Bengali, Hindi

**Interest:**  
Bike riding, physical  
exercises, gym, exploring  
unknown place, travel,  
football, photography,  
Photo editing, films

### Educational Qualifications:

- **Master of Science in Applied Geology**  
Department of Geology, University of Calcutta Ballygunge Science campus, Kolkata- 700019, India  
2018 - 2020, Percentage- 74.84%,  
**Courses:** Structural geology, Geochemistry and isotope geology, Mineralogy, Igneous petrology, Hydrogeology and water management, Palaeontology, Sedimentology and basin analysis, Stratigraphy, Geodynamics, Metamorphic processes and phase equilibria, Remote sensing and GIS, Environmental geology and Geotechnical engineering
- **Bachelor of Science in Geology**  
Asutosh College, University of Calcutta, Kolkata, Pin code- 700026, India  
2014-2018, Percentage- 61.87%  
**Courses:** Geology (major), Chemistry, Mathematics, Environmental Science (minor)
- **Higher Secondary Examination, WBCHSE**
- Siliguri Boys High School, Siliguri, West Bengal, Pin code- 734001, India  
2015, Percentage- 88.4%  
**Courses:** Chemistry, Physics, Mathematics, Biology, English, Bengali
- **Madhyamik Examination**  
Siliguri Boys High School, WB, pin: 734001  
2013, percentage: 90.28%

### Master's dissertation (Field and Lab based)(2019-2020)

**Thesis title:** Crystallization with respect to deformation in lesser Himalayas, Siliguri-Kurseong-Darjeeling West Bengal.

**Supervisor:** Dr. Bapi Goswami, Associate Professor, Dept of Applied Geology, University of Calcutta

**Email:** [bapigoswami69@gmail.com](mailto:bapigoswami69@gmail.com)

### Skills & Ability:

Proficiency in Microsoft Office (MS Word, MS Excel, MS Power point)

QGIS AND CORAL DRAW

MATLAB

Geological field work: Identification of rocks and structural features, interpreting toposheet and maps, detailed structural mapping and plain paper mapping, creating lithological map, collecting oriented sample, Grain size analysis, Lithologging, Facies analysis, Heavy mineral studies, Petrological studies

Field and lab based research

### Research Interests:

- Geochemistry, Hydrogeochemistry
- Ground Water Hydrology,
- Petrology
- Sedimentology
- Igneous petrology
- Tectonics
- Biogeochemistry and paleoclimatology

## Trainings:

### Industrial training

Steel Authority of India Limited, Dalli Rajhara, Chhattisgarh.

Year: 2019

### E-training

“Fundamentals of Mapping Techniques in Granite-greenstone Terrain”

conducted by FTC-Chitradurga, GSITI

**e-Training on “Fundamentals of Aerogeophysical Survey”** conducted by Geophysics Division of GSI Training Institute, Hyderabad from 04.08.2020 to 06.08.2020.

**National webinar on “Recent trends of research and career opportunities in geosciences”** on 5<sup>th</sup>-6<sup>th</sup> Aug, 2020 by Department of Applied Geology, Dr. Harisingh Gour Vishwavidyalaya, Central University SAGAR, M.P, India

## Fieldworks:

- B.Sc. 1<sup>st</sup> Yr. (2016): Geological fieldwork in and around Kalyaneswari, Maithon, Jitpur areas, West Bengal, India (5 days duration). A fieldtrip conducted to identify & study various litho-types, measurement of attitudes of planar & linear structural elements using Clinometer & Brunton compass and construction of lithological maps.
- B.Sc. 2<sup>nd</sup> Yr. (2016): Structural and sedimentology fieldwork in and around Ghatshila & Galudih areas, Jharkhand, India (12 days duration). A fieldtrip conducted to get an idea regarding various aspects of structural geology, Sedimentary structures and detailed geological (lithological & structural) mapping including collection of representative rock & minerals samples.
- B.Sc. 3<sup>rd</sup> Yr. (2017): fieldwork on the preliminary survey for chromite Ore exploration at Sukinda, IMFA chromite ore mines (Singbhum Craton), Orissa, India (9 days duration).
- M.Sc. 1<sup>st</sup> semester (2019): Meta-sedimentary studies in Angul, Orissa. Study of metamorphic units, its related structure and facies descriptions of Barakar sedimentary sequence with the help of litholog construction. Sedimentological and Ecological melange in a contemporary dynamic sedimentary environment in Chandipur, Orissa, India. Study of spatial variation of the sedimentary structures in the area and sedimentary facies variation along with measurement of wave parameters. Paleontological study of invertebrate molluscan fauna, taphonomic analysis, ichnology, biozonation, organism interaction and anthropogenic impact.

## Achievements:

- Successfully completed drawing exams upto 4<sup>th</sup> year.
- Actor in college film festival.
- Participant in Geomodelling event in Prithvi'2017, organized by IIT Kharagpur

## References:

- Dr. Bapi Goswami, Associate professor, Department of Geology, University of Calcutta, Kolkata, India
- **Contact: bapigoswami69@gmail.com.**
- Dr. Subhronil Mondal, Assistant Professor (Ex), Department of Geology, University of Calcutta, Kolkata, India.
- **Contact: subhronil.m@iiserkol.ac.in**