

**Srutakriti Sahoo**  
**Earth Sciences**  
**Indian Institute of Technology, Kanpur**  
**Specialization: Geology**

**21123272**  
**Ph.D.**  
**Gender: Female**  
**DOB: 16-04-1999**

Examination	University	Institute	Year	CPI/%
Post Graduation	IIT Bombay	IIT Bombay	2021	8.99
Graduation	Ravenshaw University	Ravenshaw University	2019	8.86
Graduation Specialization: Geology				
Intermediate	CBSE	Jawahar Navodaya Vidyalaya, Mundali	2016	93.80%
Matriculation	CBSE	Jawahar Navodaya Vidyalaya, Mundali	2014	10

### SCHOLASTIC ACHIEVEMENTS

Secured **AIR 16** in Joint Admission Test (**IIT JAM**) among 2545 candidates **[2019]**  
 Obtained **97.62** percentile in CBSE **12<sup>th</sup>** board among 10 lakhs students **[2016]**

### ACADEMIC PROJECTS

**TOPIC- Deformation mechanisms in the fault propagation folds associated with the Khatrod hill.**

*GUIDE- Prof. Malay Mukul*, Department of Earth Sciences, IIT Bombay. **[May, 2021]**

**TOPIC- Geological field mapping from Chandikhol to Sukinda, Jajpur and the Geological field study along the Eastern Ghats Belt right upto IREL Mines, OSCOM, Ganjam, Odisha**

*GUIDE- Dr. Somnath Khaosh*, HOD Geology, Ravenshaw University, Odisha **[Feb, 2019]**

As a credit academic project work for BSc. 3<sup>rd</sup> year, II semester

- Some basic structures and their attitudes are studied along with the structures of the metamorphic rocks that are observed along the Eastern Ghats Mobile Belts
- Developed a keen idea about the heavy mineral processing and understood the mechanism behind the machinery used for the heavy mineral separation at IREL Mines, OSCOM, Odisha
- Detailed study of the Anorthosite boulders at Mamu Bhanaja Hills, Banpur, Odisha

### MAJOR GEOLOGICAL FIELD WORKS

Structural field work in Ambaji, Gujarat <i>Guides: Prof. Soumyajit Mukharjee, IITB, Prof. Sudipta Dasgupta, IITB</i> <b>[Nov, 2019]</b>	<ul style="list-style-type: none"> <li>• Spotted S-C and Y-P planes in various road cut section Litho-contacts and road cut section mapping.</li> <li>• Plane paper mapping is done of a small-scale area Data collected for types of superposed folds and plotted in stereoplots.</li> </ul>
Geological field study along the Eastern Ghats right up to IREL Mines, OSCOM, Odisha <i>Guides: Dr. Somnath Khaosh, Dr. Patitapaban Mishra</i> <b>[Nov,2018]</b>	<ul style="list-style-type: none"> <li>• Primary ideas about the heavy mineral processing mechanism at IREL Mines, OSCOM</li> <li>• Studied different types of structural features along the Eastern Ghats belts</li> <li>• Studied anorthosite at Mamu Bhanja Hills, Odisha</li> </ul>
Geological field mapping from Chandikhol Sukinda, Jajpur, Odisha <i>Guides: Dr. J.K. Nanda, Dr. Somnath Khaosh</i> <b>[April, 2018]</b>	<ul style="list-style-type: none"> <li>• Identified basic structures and measured their attitude by brunton compass</li> <li>• Studied metamorphic rocks and structures of the Eastern ghats mobile belt along the traverse.</li> </ul>

## INTERNSHIPS

- Summer Training Programme at **ONGC Dehradun** on topic “**Shale gas production and its adverse effect on environment**”.  
**Guide: Mr. D.P. Sangwar**, General Manager (Geology), ONGC Dehradun [June- July’ 2021]
- **Summer Research Fellowship by Indian Academy of Sciences (SRF-IAS)** on topic “**Stratigraphic sequence and depositional interpretation from well-log and seismic data in Krishna-Godavari Basin**”  
**Guide: Prof. Uma Shankar Giri**, Department of Geophysics, **BHU**, Varanasi [July,2018]

## PUBLICATION

*Srutakriti Sahoo, Dr. Uma Shankar.* Stratigraphic sequence and depositional interpretation from well-log and seismic data in Krishna-Godavari (KG) Basin. Summer research fellowship programme at Indian Academy of Sciences report, 2018.

<http://reports.ias.ac.in/report/12327/stratigraphic-sequence-and-depositional-interpretation-from-well-log-and-seismic-data-in-krishna-godavari-kg-basin> [July, 2018]

## POSITIONS OF RESPONSIBILITY

<b>COORDINATOR,</b> Photography team Protolith 2020, IITB	Carried out my responsibilities as the Coordinator of Photography Team of six member, of the National-level Technical Symposium Protolith 20’ held by Department of Earth Sciences, IIT Bombay [2020]
<b>VOLUNTEER,</b> Half Marathon, IITB	Volunteered in the half marathon conducted at IIT Bombay with around more than 500 participants. [Oct, 2019]

## WORKSHOPS

- Participated and attended workshops on “Introduction to MATLAB in Geoscientific Applications” organized by SEG and IGU at IIT Bombay [August, 2019]
- Participated and attended UGC sponsored National Workshop on “Processing of Mineral Waste for Value Addition” held at Department of Geology, Ravenshaw University, Odisha [Feb,2019]
- Poster Presentation in Prithvi’ 17 at IIT Kharagpur on topic “Rising of Himalaya” [March,2017]

## COMPUTER SKILLS

- Programming language- **Fortran** (Credit course in MSc. 1<sup>st</sup> Semester, IIT Bombay)
- Geological Software- **ERDAS Imagine**, Stereonet, Georose
- Other Software- **MS OFFICE**, Adobe Lightroom, Adobe Photoshop

## EXTRA CURRICULAR ACTIVITIES

- Secured **1<sup>st</sup> position** in Geomodelling event at Prithvi’ 18 at IIT Kharagpur, the topic entitled “The Formation of Icestupa” [March, 2018]
- Successfully completed **NCC (A)** junior division certificate [2013]  
Under the authority of Ministry of Defence, Government of India Unit 1(0)