

Saurya Nayak

Master in Science & Technology in Applied Geology, IIT (ISM) Dhanbad



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EDUCATION

Indian Institute of Technology (ISM), Dhanbad — *MSc. Tech., Applied Geology*

JULY 2018 - MAY 2021 CGPA – 9.2 (2nd Topper in the Batch)

Ravenshaw University, Cuttack — *BSc., Applied Geology*

JULY 2015 - MAY 2018 AGG – 86.14%, HONS –90.08% (Gold Medalist)

L.R.DAV.Public School, Cuttack — *12th / C.B.S.E*

APRIL 2012 - APRIL 2014 89.8%

St.Antony's School, Cuttack — *10th / I.C.S.E*

APRIL 2000 - APRIL 2012 91.71%

INTERNSHIP/ PROJECT

Indian Institute of Technology (ISM), Dhanbad — *Master Thesis*

AUGUST 2019 - PRESENT

Evaluation, Estimation and Geostatistical Modelling of the Lead-Zinc Deposit of Kayar Block, Ajmer District, Rajasthan

Central Mine Planning and Design Institute, RI-II, Dhanbad — *Industrial Internship*

APRIL 2019 - MAY 2019

Study Of lay and disposition of Coal Seams, Ena Colliery, Kusunda Area, BCCL

WADIA Institute of Himalayan Geology, Dehradun — *Research Internship*

MAY 2019 - JULY 2019

Major and Trace Element Geochemistry and basic principles of U-Pb Geochronology

GEOLOGICAL FIELD VISIT

Sedimentary Terrain Mapping of Gondwana sediments, Asansol

DECEMBER-2018

- Visited nearby mines and marked all the formation of Gondwana Supergroup on map
- Mapped a part of Ajay river and plotted the lithologies found in the bank on map
- Prepared litholog of Different Coal Mines

Sructural and Metamorphic Mapping of Chhotanagpur Gneissic Complex, Dhanbad

DECEMBER-2019

- Visited nearby mines and plotted structural features such as folds, faults, lineations (due to cleavage and metamorphism)
- Measured the trend and plunge of the lineations
- Interpreted the deformation history of the area

Geological Field Traverse from Chandikhol to Daitari

AUGUST-2016

Geological Field Mapping of Eastern Ghat Mobile Belt

DECEMBER 2017

SKILLS

- **Technical Skills:** QBASIC, C++, Python, R, ArcGIS, QGIS, Java
- **MS Office:** Excel, Word, PowerPoint

ACHIEVEMENTS

- Best Graduate and Gold Medalist in BSc. (Ravenshaw University) **JULY2015-JULY2018**
- Second Position in Geo-Debate, AAPG Annual Meet, IIT (ISM) **AUGUST 2018**
- Third Position in Pirates of Terrain, AAPG Annual Meet, IIT (ISM) **AUGUST 2018**
- Second position in TATA Building India, School Level Essay Competition **FEBRUARY 2011-12**
- First Class in Talent Search Examination (an association of all Odisha ICSE Schools) **2008**
- First Class in Talent Search Examination (an association of all Odisha ICSE Schools) **2004**
- Second Position in Mathematics Competition, National Youth Festival, Abhipsa Yuva Mancha, Cuttack **2008**

POSITIONS OF RESPONSIBILITY

Webpage Coordinator at Geological Society IIT ISM Dhanbad

MAY 2019 - PRESENT

EXTRACURRICULARS

- Classical Dance (Odishi): First Division in Certificate Of Sangeet Bhusan PART-1 and PART-2, Pracheen Kala Kendra, Chandigarh
- Poem writing
- Singing
- Badminton

CERTIFICATIONS

- **Reservoir Simulation and Field Development**-Schlumberger, SPE IIT(ISM) Student Chapter [Duration:4 weeks]
- **Fundamentals of Mineral Prospecting and Exploration**-GSI Training Institute, Hyderabad [Duration:16.07.2020-18.07.2020]
- **Fundamentals of Mapping Techniques in Granite-greenstone Terrain**-GSI Training Institute, Hyderabad [Duration:23.07.2020-25.07.2020]
- **Fundamentals of Igneous Petrology**-GSI Training Institute, Hyderabad [Duration:23.07.2020-25.07.2020]
- **GEOCHRON**-an online lecture series, Geological Institute, Department of Geology, Presidency University, Kolkata [Duration:22.08.2020-27.08.2020]
- Certificate of Participation-PRITHVI Geological Fest [2017]