

# Saurya Nayak

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



# 18MC0015

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## EDUCATION

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

JULY 2018 - MAY 2021 CGPA – 9.2 (2<sup>nd</sup> 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

### Structural 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

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

## ACHIEVEMENTS

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• Best Graduate and Gold Medalist in BSc. (Ravenshaw University)	JULY 2015-JULY 2018
• 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

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Webpage Coordinator at Geological Society IIT ISM Dhanbad	MAY 2019 - PRESENT
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## EXTRACURRICULARS

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

## CERTIFICATIONS

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- **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]