



SANDIPAN PAUL

PROFILE

The physical processes operating within the Earth System with a delicate balance among the different spheres of Earth, acted as my motivation to know, study, learn and research in the arena of Earth System Science. Strictly speaking, my research and interests lie in the domains of Atmosphere and Hydrosphere of Earth System. Although these two are very vast by itself. I primarily prefer to look into the Hydrometeorology, Hydrology, Indian Monsoon.

CONTACT

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HOBBIES

Reading Books
Watching Cinemas & Web Series
Watching Documentaries
Listening Music
Cooking

EDUCATION

Indian Institute of Technology, Bombay

21/07/2022 - Ongoing

Doctor of Philosophy (PhD)

PhD Topic: Assessment of Land – Atmosphere Interaction and Coupling
CPI (PhD course work)- 9.73 over 10-point scale

Presidency University, Kolkata

31/08/2020 – 22/07/2022

Master of Science (M.Sc.) in Geography

CGPA- 8.65 over 10-point scale

Presidency University, Kolkata

04/07/2017 – 30/7/2020

Bachelor of Science (B.Sc.) in Geography

CGPA- 8.62 over 10-point scale

WORK EXPERIENCE

Indian Institute of Technology, Bombay - Intern

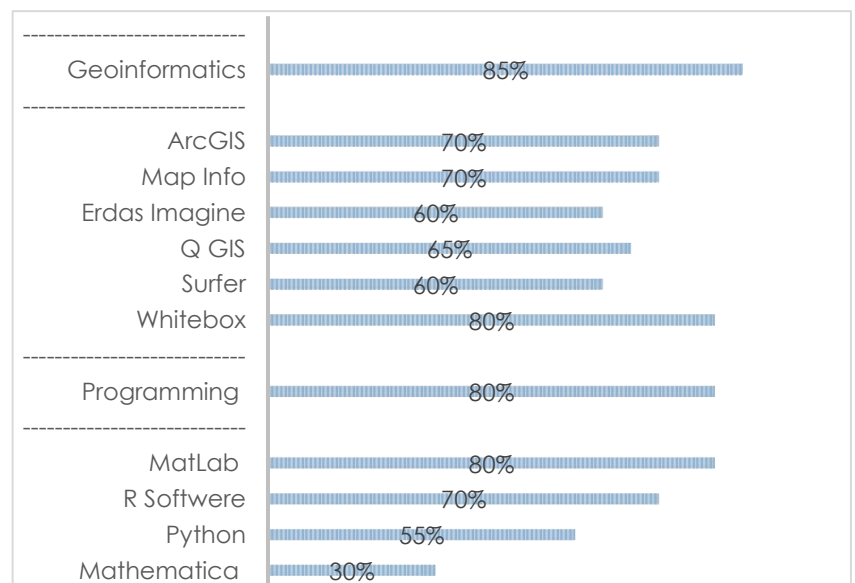
04/06/2019 – 01/07/2019

I worked there as a summer trainee at the *Department of Earth Science*, Indian Institute of Technology, Bombay (IITB) under Professor Soumayjit Mukherjee. My theme of the project was "*Land Subsidence due to Ground Water Withdrawal*".

CONFERENCE

Sandipan Paul, Andrew Feldman, L. Karthikeyan (2023): Examining the Seasonal Dynamics of Surface and Rootzone Soil Moisture Regimes at Global Scale, AGU 2023 Fall Meeting (Will be held December 2023)

SKILLS & ABILITIES



ACADEMIC QUALIFICATION

DEGREE	YEAR OF COMPLETION	SCHOOL/ BOARD/ UNIVERSITY	SUBJECT COMBINATION	PERCENTAGE or CGPA (GRADE)
Doctor of Philosophy	Ongoing	Indian Institute of Technology, Bombay (IITB)	<i>Broad Area of Research</i> – Land – Atmospheric Interaction in the context of Dry Extreme Events	CPI (PhD course work): 9.73 (on 10-point scale)
M.Sc. in Geography	July, 2022	Presidency University, Kolkata	<i>Specialization Elective</i> - River Science	CGPA (Major): 8.65 (on 10 point scale)
B.Sc. in Geography	July, 2020	Presidency University, Kolkata	<i>Minors</i> <i>First Semester</i> - Mathematics, Physics, Bengali; <i>Second Semester</i> - Mathematics, Physics, Environmental Science; <i>Third Semester</i> - Life Science, Economics; <i>Fourth Semester</i> - Geology, Bengali	CGPA (on 10 point scale) Major : 8.62 Minor : 7.30
Higher Secondary (Class XII)	May, 2017	Sri Ramkrishna Sikshalaya, Howrah [West Bengal Council of Higher Secondary Education]	<i>Language:</i> Bengali, English; <i>Electives:</i> Mathematics, Geography, Physics, Economics	90.80%
Secondary (class X)	May, 2015	Sri Ramkrishna Sikshalaya, Howrah [West Bengal Board of Secondary Education]	<i>Language:</i> Bengali, English; <i>Electives:</i> History, Geography, Life Science, Physical Science, Mathematics	84.14%

AWARDS AND SCHOLARSHIPS

Sl.	Title	Issued on	Percentile	All India Rank (AIR)
01.	Joint CSIR – UGC NET in Earth, Atmosphere, Ocean and Planetary Sciences (with JRF)	March, 2022	99.18	44
02.	GATE in Geomatics Engineering (GE)	March, 2022	94.46	165
03.	Swami Vivekananda Merit Cum Means Scholarship (for M.Sc. Studies) - issued by Department of Higher Education, Government of West Bengal	January, 2021	–	–

CERTIFICATION COURSES

NPTEL Online Certification Course

Sl.	COURSE NAME	INSTITUTE	PERCENTAGES	GRADE#	STATUS OF COMPLETION
01.	Introduction to Atmospheric and Space Sciences	IIT- Roorkee	68.00 %	Elite	Completed
02.	Advance Atmospheric Physics	IIT- Roorkee	56.00 %	Successful	Completed
03.	Fluid Mechanics	IIT- Guwahati	66.00 %	Elite	Completed
04.	MATLAB Programming for Numerical Computation	IIT- Madras	70.00 %	Elite	Completed
05.	Scientific Computing using MATLAB	IIT - Delhi	64.00 %	Elite	Completed
06.	Introduction to R Software	IIT- Kanpur	90.00 %	Elite + Gold	Completed
07.	Descriptive Statistics with R Software	IIT- Kanpur	83.00 %	Elite + Silver	Completed
08.	Microwave Remote Sensing in Hydrology	IIT - Bombay	69.00 %	Elite	Completed

Grading System : >= 40% : Successful , >=60% : Elite , >=75% : Elite + Silver , >=90% : Elite + Gold

WORKSHOPS AND TRAINING SESSIONS

INPERSON MODE: TITLE | TIMELINE | ORGANIZING INSTITUTE

1. *STATistical Analysis and Modelling of Climate Extremes (STACE)* | 12th to 17th December, 2022 | Indian Institute of Technology, Indore
2. *International Soil Moisture School* | 15th to 17th March, 2023 | Indian Institute of Technology, Bombay
3. *Climate Modelling: Understanding the Uses and Limitations of Climate Models* | 24th to 28th July, 2023 | Indian Institute of Science, Bangalore

ONLINE MODE: TITLE | TIMELINE | ORGANIZING INSTITUTE

1. *Overview of Planetary Geosciences with special emphasis to the Moon and Mars* | 08th to 12th June, 2020 | Indian Institute of Remote Sensing (IIRS), Dehradun
2. *Fundamentals of Applied GIS and RS with special emphasis on QGIS* | 22nd to 26th July, 2020 | Dept. Of Geography, Basirhat College
3. *One Week QGIS Training Program* | 12th to 18th August, 2020 | Geotech GIS Training Institute Aurangabad, Maharashtra, Affiliated with ITTE Delhi
4. *Fundamental Concept of ARC-GIS* | 16th – 17th January, 2021 | Integrated Institute for Advanced Research and Information (IIARI), Kolkata
5. *Online GIS & GNSS Workshop* | 10th to 14th February, 2021 | Dept. of Geography, Gokhale Memorial Girls' College, Kolkata
6. *Earth Observation based Mapping, Monitoring and Modelling of Landslide: Recent trends and support to early warning system* | 21st April, 2021 | Indian Institute of Remote Sensing (IIRS), Dehradun
7. *LIDAR : A Spatial Tool In Research* | 17th to 18th April, 2021 | Integrated Institute for Advanced Research and Information (IIARI), Kolkata
8. *ArcGIS : An Advance Implementation* | 7th to 9th May, 2021 | Integrated Institute for Advanced Research and Information (IIARI), Kolkata
9. *Advance Python & Tool Building in Arc-GIS* | 2nd to 3rd October, 2021 | Integrated Institute for Advanced Research and Information (IIARI), Kolkata
10. *Google Earth Engine & Its Application in Geoinformatics* | 23rd October to 20th November, 2021 | Integrated Institute for Advanced Research and Information (IIARI), Kolkata
11. *Microwave Remote Sensing & Its Application* | 16th to 17th November, 2021 | Integrated Institute for Advanced Research and Information (IIARI), Kolkata
12. *Photogrammetry* | 15th to 16th January, 2022 | Integrated Institute for Advanced Research and Information (IIARI), Kolkata
13. *Hyperspectral And Microwave Remote Sensing Techniques For Geological Studies* | 7th to 17th March, 2022 | Indian Institute of Remote Sensing (IIRS), Dehradun
14. *Artificial Intelligence (AI) for Earth Observation (EO) and Geodata Handling and Processing* | 2nd to 13th May, 2022 | Indian Institute of Remote Sensing (IIRS), Dehradun
15. *Satellite Remote Sensing of Atmosphere* | 11th to 15th July, 2022 | Indian Institute of Remote Sensing (IIRS), Dehradun
16. *Geodata Processing using Python* | 20th to 24th February, 2023 | Indian Institute of Remote Sensing (IIRS), Dehradun

SEMINARS AND WEBINARS

TITLE | TIMELINE | ORGANIZING INSTITUTE

- 'Earth Talks 2020' on *Climate Change and Earth's Landscape* | 24th June, 2020 | Dept. of Geography, Kazi Nazrul University
- *Future Trends and Career Opportunities in Remote Sensing & GIS* | 27th July, 2020 | GEO Star & Scanpoint Geomatics Ltd.
- *Distinct Landforms of West Bengal: Alluvial Fans and Badlands* | 31st July, 2020 | Department of Geography, Vivekananda College for Women, Barisha
- *Resource Studies: A changing Paradigm in Social Sciences* | 16th August, 2020 | Integrated Institute for Advanced Research and Information (IIARI), Kolkata
- *Environment & Sustainability: Land, Water & Ecosystem Perspective* | 31st August, 2020 | Dept. of Geog., Kashipur Michael Madhusudan Mahavidyalaya, Purulia
- *Environmental Problems and Human Adaptations* | 2nd September, 2020 | Dept. of Geography, Sukumar Sengupta Mahavidyalaya, Keshpur
- *Traditional Ecological Knowledge of Soil Water Conservation practices in Sikkim Himalayas* | 6th September, 2020 | Dept. of Geography University of Allahabad
- *Effects of Global Warming on Coastal Environment* | 27th September, 2020 | Dept. of Geography | Prafulla Chandra College, Kolkata