

SAIKAT MAITI

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Objective

I always want to involve in those things which I love most and try not to give up.

Area of Interests

- Remote Sensing
- GIS
- [Mapping](#)
- [Cartography](#)
- [Data Visualization](#)
- Data Management
- Hydrological Modeling
- [Hazard and disaster management](#)

Accomplishments

- Team member for making of [Atlas of Urban Expansion](#).
- Completed the “NASA Remote Sensing Observations for Flood Management”, August 10, 2015.
- Certificate in Disaster Management from IGNOU, 2011.
- Selected for the Environmental project conducted by British council, 2010.

Current Profile [[Web Profile](#)]

| Company/ Institute | Designation | Joining Date | Leaving Date | Responsibilities |
|--|-------------------------------|-------------------------------|--------------|--|
| Mahatma Education Society, UXO Department, Panvel, Navi Mumbai [Jointly worked with NYU, Stern School of Business] | Image Analyst | 5 th January, 2015 | - | <ul style="list-style-type: none">• Digital image processing• Categorizing Land-use from high resolution Bing imagery in Java Open Street Map.• Quality checking and error fixing using python script. |

Academic Details

| Degree | Course Duration | Institute | Year of passing | Percentage/ CGPA | Remarks |
|--|---|---|------------------------------|------------------|--------------------------|
| P.G. Diploma in Geoinformation Science and Earth Observation | 23 RD SEPT 2013-25 TH JULY 2014 | Indian Institute Of Remote Sensing (ISRO), India & ITC, Netherlands | 25 th July, 2014 | 70 | Good |
| Advance certificate course on Microwave (SAR) Remote Sensing for Natural Resources | 03 rd February to 29 th March, 2014 | Indian Institute Of Remote Sensing (ISRO) | 29 th March, 2014 | - | Completed |
| Masters in Geography | 2 Years | Rabindra Bharati University | 2012 | 7.85 | 1 st Class |
| B.A (Honors') Geography | 3 Years | University of Calcutta | 2010 | 54.50 | 2 nd Class |
| Higher Secondary (10+2) | | WBCHSE | 2007 | 70.57 | 1 st Division |
| Secondary | | WBBSE | 2005 | 75.50 | 1 st Division |

Technical Skills

- **MS Packages:** Office: 2003, 2007, 2010 and 2013.
- **GIS Software:** ESRI Arc GIS 10.0 & above, ArcGIS Online, QGIS, JOSM, PostGIS, 21st Century GIS Software, Geometica 10.2.
- **Image Processing Software:** ERDAS 9.1 and above; LPS; ENVI 4.7& 5.0.
- **Hydrological Software/ Model:** ILWIS 3.3 & 3.8, HEC RAS, HEC HMS.
- **Mapping Studio:** Mapbox Studio, CartoDB.
- **AutoCAD:** version 2014
- **Others:** ALOHA 5.4.3, Cropwat 8.0
- **Computer Language:** SQL, Python, JS (Beginner), Python (rasterio).
- **Adobe Packages:** Adobe Photoshop 7.0 & above.
- **Instrument:** GPS, DGPS, Dumpy Level, Prismatic Compass.
- **Operating System:** Windows XP, Windows Vista, Windows 7& above

Academic Projects

| Project Title | Description | Guide Name | Project work |
|--|---|--|---|
| Development of Hydrological Tool for Flood Peak Estimation Using Open Source Geospatial Tool | PG Diploma project (13 th May, 2014 – 19 th July, 2014) | Dr. Praveen K. Thakur Scientist “SE” Mr. Prasun K. Gupta Scientist “SD” | The objective of this project is to make an open source tool for flood peak estimation. We can do this exercise with the help of HMS plug-in for ArcGIS and HEC-HMS software but it's very complicated and costly. This tool will help to do basin processing from digital elevation model and after delineation of river basin it will show the flood peak at selected outlet. This is very basic tool at this stage but later it can be use as a useful plug-in for QGIS. |
| Avulsion of R. Jalangi and Formation of Cut-off Specialization: Fluvial Geomorphology | M.A. project (Jan.2012 –Jun. 2012) | Dr. Biswajit Bera Department of Geography Rabindra Bharati University | This project focused on avulsion of R.Jalangi, Nadia, West Bengal. This work mainly looks after avulsion of river Jalangi from the Rennel's period (1766). The part of this study is to found decaying of this river and shifting of this river from historical time period using time series satellite data and topographical maps. |

Publication

Presented paper “**DEVELOPMENT OF HYDROLOGICAL MODELING SYSTEM FOR FLOOD PEAK ESTIMATION USING OPEN SOURCE GEOSPATIAL TOOLS**” at **OSGEO-India: FOSS4G 2015** - Second National Conference "OPEN SOURCE GEOSPATIAL TOOLS IN CLIMATE CHANGE RESEARCH AND NATURAL RESOURCES MANAGEMENT" 8-10TH JUNE 2015.

Other Projects

- **Github** projects.
- Voluntary mapping on [HOTOSM](#).
- Mini Project on Database Design for Flood Management System, Nov-2013.
- Mini Project on **Site Suitability Analysis** for New Hospital, DehraDun, Oct-2013
- Developed an Evapo-transpiration tool (python based).
- General project in masters entitled “*A Geo-environmental Appraisal of the Paro Dzong, Bhutan*”
- Study on **Coastal morphology and processes** of **Bakkhali**, West Bengal, 2011& '12.
- Worked on River **Bank erosion and socio-economic condition** of **Sundarban, 2010.**

- Studied the **physical and socio economic survey at Bheraghat (Jabalpur, M.P., 2009)** at UG level.

Hobbies

- Cooking
- Trekking
- Travelling
- Painting

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DECLARATION

I, hereby declare that the above-furnished particulars are true to the best of my knowledge and belief. If given a chance, I will prove my efficiency, my loyalty and willingness to work.

Saikat Maiti