

SAIKAT MAITI

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Objective

Doing better for mankind with technology!

Area of Interests

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

Accomplishments

- Presented lightning talk on [Village Mapping with OSM](#) (OpenStreetMap) at [SOTM Asia 2017](#), Kathmandu.
- Organised [MES Mapathon](#) for HOT refugee mapping program at Northern Uganda.
- 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]	Sr. Image Analyst	5 th January, 2015	-	<ul style="list-style-type: none">● Digital image processing● Categorizing Land-use from high resolution open source imagery in JavaOpenStree Map (JOSM).● Quality checking and error fixing using python script.
Humanitarian Openstreetmap Team	Malaria Mapping Internship	24th August, 2017	26th September, 2017	<ul style="list-style-type: none">● This project supports to eliminate Malaria and other intervention.● The whole project area is 500,000 square kilometers and this mapping will help to make all buildings on OSM.● Mapping is first priority and later on validation of these data will be the responsibility.● Data validation.

Academic Details

Degree	Course Duration	Institute	Year of passing	Percentage/ CGPA	Remarks
P.G. Diploma in Geoinformation Science and Earth Observation	23 RD SEP 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.
- **Computer Language:** Python, Javascript, HTML, CSS, PostgreSQL.
- **Platform:** Google Cloud Platform, Google Earth Engine
- **GIS Software:** ESRI ArcGIS 10.0 & above, ArcGIS Online, [City Engine](#), QGIS, JOSM, PostGIS, 21st Century GIS Software, Geometica 10.2.
- **Image Processing Software:** ERDAS 9.1 and above; LPS; ENVI 4.7& 5.0, Pix4D, [OpenDroneMap](#).
- **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
- **Adobe Packages:** Adobe Photoshop 7.0 & above.
- **Instrument:** GPS, DGPS, Dumpy Level, Prismatic Compass.
- **Operating System:** Windows XP, Windows Vista, Windows 7 & above, Linux 16.04

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 –June 2012)	Dr. Biswajit Bera Department of Geography Rabindra Bharati University	This project focused on avulsion of Jalangi river, Nadia, West Bengal. Historical maps(<i>Rennel's map, US-army map, Survey of India toposheet</i>) and recent satellite images (2011) have been used for this study. This study also focused on formation of cut-off and a prediction analysis of neck cut-off.

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.
- [MapDRS \(Disaster reporting System\)](#)
- [Mapping on OpenStreetMap](#).
- Voluntary mapping with [HOTOSM](#).
- [Mapillary contributor](#).
- 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 Evapotranspiration tool using Python.
- 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.
- Physiographic study at Pokhara, Nepal (Nov, 2012).

Hobbies

- Cooking
- Trekking
- Travelling
- Painting

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Personal Details

First Name:	Saikat
Family Name:	Maiti
Mother's Name:	Nilima Maiti
Father's Name:	Babulal Maiti
Birth Date:	21st May, 1990
Birth Place:	Sandalpur, West Bengal
Nationality:	Indian
Passport:	Yes
Notice Period:	28 Days

DECLARATION

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

Saikat Maiti