



Sayantan Dutta

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Career Objective:

To explore the talent in the field of Remote Sensing/G.I.S. and Geographical bring forth the best of my creative skills and knowledge, learning the best practices to constantly upgrade skills thus make optimum contribution in an organization.

Academic Background:

Class	Board/ University	Division	Percentage	Year of passing
Matriculation	W.B.B.S.E	II	59.63	2006
Higher secondary	W.B.C.H.S.E	II	56.6	2008
Bachelor of Arts in	Vidyasagar University	II	46.77	2011
Geography (H)				
Master of Geography	Pt. R.S.U	I	62.75	2013
Master of REMOTE SENSING & GIS (Geoinformatics)	K.U. Nainital, Uttarakhand	I	67.9	2015

Areas of Interest:

- Remote Sensing, Telecom GIS (wireless/optical), Utility GIS, Location based services.
- Geographical Information System, LIDAR
- Urban Planning, GIS application in Telecom.
- Surveying,

Technical Skills:

Computer skills	MS Office (Word, Windows (all OS), Ubuntu, Internet.
Remote Sensing and GIS Software	Arc GIS Desktop 10.3 Erdas Imagine16 , Summit Evolution, Leica Photogrammetry Suite, QGIS, Map Info11, Global Mapper, Map source, IDRIDI Selva 17, Google Earth. AutoCAD2006,2010, SQL server, Px4d software.
Instruments and Devices	3D Workstation, Handheld GPS, DGPPS and PDA.

Project:

Minor Project: An integrated approach to quantify land use land cover using matrix method (Gorakhpur city) and LU/LC smart city concept in Gurgaon NCR region.

Work Experience:

Quantum Asia Pvt.Ltd. (Jaipur, Rajasthan)

Sr. Image Processing Expert

April 2017 to present

- Handling Integrated Management program (IWMP) of Rajasthan Govt. posted in commissione rate,watershed development and soil conservation (WDCS) Department,jaipur.
- Collection and post- processing on drone Imagery to generate to orthomosaics,create DTM, 3D point cloud measurement contour using Pix4d and Erdas Imagine 2016 software.
- Quality Checking of orthomosaics, point cloud data , DEM, DSM,DTM.
- Delineation watershed (“L” & “cross” section) using Arc map.
- Reclassification of slope and aspect.
- Extraction of watershed , drainage contours and slope to determine ground water potential zone for water harvesting structure.
- Working on site Suitable project Analysis to demarcate the suitable sites for constructing water harvesting structure Project area simulation on Arc Hydro Tools.

Performed GIS Analyst

- Basic GIS operation Director of head GIS team , including using geo processing tools, and crating as well as editing geographic data sets.
- Modeling and simulation to determine untreated watershed potential zone for constructing watershed structure on DTM using model builder in Arc map
- Assisted in data management and organization, including vector and raster data.
- Maintained geospatial data and designed database structure in an SDE environment
- Manipulated Data using my SQL, pivot table, pivot charts, Vlookup, Hlookup etc.
- Making thematic maps and reports in Arc map for presentation.
- Geo rectification and Digitization topographic /cadastral map

RMSI Pvt. Ltd.(Noida, Uttar Pradesh)

GIS engineer

6th July 2015-21th April

- Remote sensing Surveying of Geospatial features for ordnance survey of Great Britain, and input process, validation planning of OSGB Master Map.
- Database management with SQL server.
- 3D Planning in Urban Area with Summit Evolution Arc GIS
- Telecom Project (AutoCAD software) .
- Classification of Multi- Temporal Satellite Imagery for Crop mapping with Big Data management.

Other Activities:

- Watershed delineation of Kosi River (District Almora) Using RS/GIS Techniques.
- Auto leaving, ETS,GPS and DGPS survey.
- Working knowledge of Airborne LIDAR data.
- Sample survey (7days experience & handling in field data collection at Raipur,Pt.R.S.U,C.G)

Extra-Curricular Activities:

- Employee of the Month for March at Gwyneth Info.
- Coordinated lots of seminar in 2013-14 at department level.
- National Service Scheme Volunteer.
- Winner at school level “Quiz contest competition” conducted by Govt. of W.B

Attributes:

- Flexibility and Willingness to learn.
- Hardworking and Punctual.
- Positive Thinking and Self-Motivated.
- Dedicated and Hard Working.
- Full of Endurance and Result Oriented.
- Readiness to accept Challenges.

Reference:

Prof. J.S Rawat
Director, Centre of Excellence for NRDMS in Uttarakhand
Dept. of Geography, Kumaun University
Almora, Uttarakhand
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Declaration:

I hereby declare that the information furnished above is true to the best of my knowledge and belief.

Date: 4/10/2019
Place: Jaipur, Rajasthan


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