MOUMITA DAS
(M.Sc. in Geoinformatics)

Mobile No: +91-7890984867/6290850983, Email Id:moumitadas19996@gmail.com

SUMMARY

Geographical Information System professional with having Proficiency in GIS data analysis, cartography and spatial data management, Photogrammetry, Lidar and volumetric Calculation.

SOFTWARE SKILLS

- ArcGIS, ERDAS IMAGINE, QGIS, Global Mapper, Pix4d Mapper, Agisoft ,Cloud Compare
Computer/ Technical Proficiency

- Basic Programming Knowledge in C, MS Word, MS Excel, MS PowerPoint

WORK EXPERIENCE

USNATEK   **Delhi, India**
GIS Analyst   **September, 2019 - Present**

Project 1: Volume calculation for Mining Sectors

- Volumetric Calculation of Mining areas using Pix4d Mapper, Cloud Compare, Agisoft & Global Mapper.
- Mapping and GIS work, preparation of geo referenced Ortho tiff, GCP Marking in Agisoft.

- Preparation of dense point cloud, Orthomosaic, DEM.

Project 2: Landuse / Landcover Mapping

- Topographical Mapping
- Cadastral Mapping,
- Drainage network and watershed Management.
- DTM and contour planning, Demarcation of Land use pattern.

Project 3: Pipeline Monitoring

- Exception Marking such as digging and unauthorized activities within the ROU and Outside the ROU.

 Other Projects:

Project 1: Land-Use/ Land Cover Map of Core & Buffer Zone of Dipka OCP. From **CMPDI (CENTRAL MINE PLANNING AND DESIGN INSTITUTE) (**December'18 – January'19)**-**In this project, land use/land cover map of Dipka OCP is prepared based on LISS 4 data in order to prepare land use/land cover map of core & buffer zone of Dipka OCP

Project 2: **Landslide Hazard Zone Mapping of Mandi District, Himachal Pradesh Using Geospatial Technique from NATMO (NATIONAL ATLAS AND THEMATIC MAPPING ORGANIZATION) (16 May 2018- 26 June 2018)-** In this project, Landslide zonation Map was prepared using weighted overlay technique to determine which zone is more vulnerable to Landslide to take precaution

Project 3 : Dissertation from Birla Institute of Technology, Mesra (January, 2019 to May, 2019)
Air quality assessment and zonation using in-situ data and satellite images

EDUCATION

Degree	University	Aggregate	Year of passing
M.sc in Geoinformatics	Birla Institute of Technology, Mesra	8.74 CGPA	2019
B.Sc with Geography Honors	Calcutta University	62%	2017

Professional qualifications & Affiliations

- Attended one day workshop on **"Drone Technology"** jointly organized by IFORTIS Attended one day workshop in **National Information System on Climate and Data Products** (2019) under collaboration of NRSC(ISRO) and BIT Mesra.
- CORPORATE, NPS-DDP.ORG, AIRBORNE WORKS, USA.
- Completed 21 days online **GIS Training Program using QGIS** conducted by the Department of Geography, school of Earth Sciences, Central University of Karnataka, India, jointly with state institute of Urban Development, Karnataka
- Completed online course "**Satellite Photogrammetry and its Application**" conducted by Indian Institute of Remote Sensing(**IIRS**)
- Attended different webinar like '**Future Trends &Career Oppertunities in Remote sensing'** organized by GEO Stars & Scanpoint Geomatics Ltd. & **"Digital Cartography & Evolution of location Intelligence"** organized by Geospatial Awareness Hub.
- Awarded for B.Sc with **First class in Vivekananda College for women.**

Keywords

- Geo-informatics with Applications in Resource Management, Disaster Management, , Geosciences, Water resources, UAV, Photogrammetry.
- Spatial analysis and modelling, Digital image processing, GPS

PERSONAL DETAILS

- **D.O.B –** 19/09/1996
- **Language Known -** English, Bengali, and Hindi.

DECLARATION

I hereby declare that the above-mentioned information is correct up to my knowledge and I bear the responsibility for the correctness of the above-mentioned particulars.
  Place: Kolkata, West Bengal   **(Moumita Das)**