

CURRICULAM VITAE

Jakir Husain

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Profile Summary

- Good exposure and practical experience in a range of Satellite Remote Sensing data utilization and UAV Airborne Drone Data, processing, interpretation and analysis with emphasis on Watershed Monitoring, Proposing Water Harvesting Structures, River Profile Analysis, Forest Health, Groundwater level Analysis, Land use and Land cover analysis, etc.
- Good experience of Image processing & Geographical Information System software particularly in ERDAS IMAGINE, ARC GIS, ENVI, QGIS, Global Mapper etc.

Academics

- 2011: **M.Sc.** in Remote Sensing & GIS from Center of Remote Sensing & GIS Sos in Earth Science, Jiwaji University, Gwalior, M.P with 73%.
- 2008: **B.Sc.** Physics from Shri Chitragupt Post Graduate College Mainpuri affiliated with Dr. Bhimrao Ambedkar University, Agra U.P. with 54.2%.

Work Experience (Five year and Seven Months)

- Presently I am working as Senior GIS Executive in GIS Consortium India Pvt Ltd, Noida under the Project “**Mukhya Mantri Jal Swavlamban Abhiyan** (MJSA) Phase 4” Jaipur, Rajasthan where I am proposing suitable site for water harvesting structures in selected watersheds of Rajasthan using very high spatial resolution UAV airborne data for improving agricultural productivity, forest health as well as groundwater level.
- Eight months as a JRF in Madhya Pradesh Resource Atlas Division of MPCST, Bhopal under Dial 100, M.P.Police Project since 7 September 2017 to 29 May 2018 where I had created digital thana boundary and updating point of interest location which is helpful for people.
- Two year as GIS lab Instructor in Centre of Remote Sensing and GIS, School of Studies in Earth Science Jiwaji University for the session 2014-2016 to M.Sc. Remote Sensing and GIS students. Where I had taken theory and practical classes of various Remote sensing and GIS applications on various GIS software's and preparation of different projects work of the students.
- I have worked under NWDPPRA (National Watershed Development Programme in Rainfed Areas in U.P.) project in RRSC-N, NRSC/ISRO, Dehradun, Uttarakhand since 19 Dec 2011 to 30 April 2014 Where I had monitored the crop cycle in the proposed watersheds of Uttar Pradesh and find out the improved productivity of Crop of that area.

Special Training

- I have completed one year Computer Diploma (2006-2007) in **“Office Automation”** from **City Computer Centre, Mainpuri (U.P.)**
- I have completed three month training program (7th June 2011 to 30th August 2011) on **“Watershed Monitoring Using Remote Sensing and GIS Techniques”** from **Regional Remote Sensing Center-North, NRSC-ISRO, Dehradun.**
- I have completed one month online training certificate course (11 Feb to 15 march 2016) on **“Geospatial Technologies for Urban Planning”** conducted by IIRS, ISRO, Dehradun, Uttarakhand.
- I have completed three month online training certificate course (22 Aug to 18 Nov 2016) on **“Basics of Remote Sensing, Geographic Information System & Global Navigation Satellite System”** conducted by IIRS, ISRO, Dehradun, Uttarakhand.
- I have completed three weeks online training certificate course (October 13 – 27, 2016) on **“Remote Sensing Training: Methods & Best Practices”** conducted by ARSET, NASA, USA.
- I have completed one and a half months online distance learning course on **“SAR Data Processing and Applications”** organized by Working Group of Capacity Building & Data Democracy (WGCapD), Committee on Earth Observation Satellites (CEOS) during April 17 to June 05, 2017.
- I have completed three days online training certificate course on **“Remote Sensing of Land Indicators for Sustainable Development Goal 15”** organized by ARSET, NASA, USA during June 20 - June 22, 2017.
- I have completed one week online training certificate course on **“Introduction to Synthetic Aperture Radar”** organized by ARSET, NASA, USA during June 28 - July 06, 2017.
- I have completed one week online training certificate course on **“Advanced Webinar: Remote Sensing of Drought”** organized by ARSET, NASA, USA during July 12 – July 19, 2017.

Field Experience

- **Mapping with GPS** - About 15 days GPS Survey with Garmin etrax GPS during M.Sc. Ist semester GPS Field work.
- **Ground Truth Survey** – A field work of Ground Truth survey for selective field checking around Gwalior was done for the land use and land cover map prepared from IRS LISS III data during M.Sc. IIIrd Semester.
- I have completed ten days field survey (25th July 2012 to 5th August 2012) on “**Watershed Monitoring Using Remote Sensing and GIS Techniques**” from **Indian Institute of Remote Sensing, ISRO, Dehradun**.

Computer Skills

- Report generation on Microsoft Word 13
- Generating charts/graph on Microsoft Excel 13
- Presentation generation of report in Microsoft PowerPoint 13
- Producing Portable document files on adobe acrobat reader
- Use of Internet and using search engine like Google, Yahoo etc.
- **Browsing and downloading free available satellite data** from different national and international websites like- <http://bhuvan.nrsc.gov.in>, <http://earthexplorer.usgs.gov/>, etc.

Technical Profile

- Image Processing : ERDAS Imagine, ENVI
- GIS : ESRI ArcGIS, Arc Swat, QGIS, Global Mapper
- GPS : Expert GPS

Remote Sensing and GIS Skills

- Visual interpretation of satellite data using basic recognition elements like tone, texture, shape, size, association, etc.
- Image processing of satellite data for improving the quality of the raw satellite images.
- Data products generation like land use and land cover map, thematic map using classification techniques or onscreen digitization on satellite imageries.
- GIS data collection (spatial and non-spatial data).
- Use of Google Earth.

GPS Handling

- Holux
- Garmin

Participations

- I have participated in the workshop on **Project Proposal Formulation** held at M.P. Council of Science & Technology, Bhopal on February 24, 2016.
- I have participated in five days in-person training program on **ArcGIS Desktop Advance** held at M.P. Council of Science & Technology, Bhopal on June 1, 2018.

Personal Details

- Date of Birth : 19th Dec1985
- Fathers name : Mr. Samsuddin
- Nationality : Indian
- Sex : Male
- Marital Status : Married
- Languages Known : English, Hindi.
- **Address for Correspondence** : 35/335, Sector 35, Pratap Nagar, Sanganer,
Jaipur, Rajasthan, Pin-462003
- **Permanent Address** : H.N.635, South Chapatti near Ambedkar park Mainpuri
(U.P.) Pin-205001

References

➤ **Dr. Sandeep Goyal**

Senior Principal Scientist and
Head of Madhya Pradesh Resource Atlas Division
Of MPCST, Vigyan Bhavan, Bhopal

➤ **Dr. S.N.Mohapatra**

Head of the Department,
Centre of Remote Sensing & GIS
SoS in Earth Science, Jiwaji University, Gwalior
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➤ **Shri Pramod Kumar**

Head of the Department, URSD,
Indian Institute of Remote Sensing,
(ISRO), Dehradun, Uttarakhand
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Declaration:

I declare that the foregoing information is correct and complete to the best of my knowledge and belief and nothing has been concealed / distorted. If at any time, I am found to have concealed / distorted any material information; my appointment shall be liable to summary rejected.

Date:

Place: Jaipur

(JAKIR HUSAIN)