

CURRICULUM-VITAE

KARUNA YADAV

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NEW DELHI, DELHI 110059

India.

1. WORKING EXPERIENCE

- **Project Scientist** in Remote Sensing Application Centre from 26 June 2020 to Till yet.
Job responsibility: working on Space based Information Support for Decentralized Planning at Panchayat level (**SIS-DP**) Using Geospatial Technologies run by NRSC National Remote Sensing Centre.
- **Project Scientist** in Remote Sensing Application Centre from 6Th June 2017 to 31 May 2020.
Job responsibility: Monitoring of Integrated Watershed Management Programme, Watersheds Using Geospatial Technologies run by NRSC National Remote Sensing Centre under Department of Land Resources, Image processing, Image clipping etc.
- **Geographer/GIS Expert** in AGS Pvt. Ltd. from Jan 1, 2015 to May 4, 2015.(work on Landuse Project).
- **Project Scientist** in Remote Sensing Application Centre from May 5, 2015 to Sept. 5, 2015. (Work on project UPSLRP-Uttar Pradesh Soil and Land Reclamation).
- **GIS Expert** in Advance Geotech Solutions Pvt. Ltd. From 01 Jan 2015 to 4th may 2015
- **Project Scientist** in Remote Sensing Application Centre from 5 March 2014 to 31 Dec 2014. (Work on project IWMP CADASTRAL Uttar Pradesh).
- **GIS Executive** in Advance Geotech Solutions Pvt. Ltd. From 11 June 2012 to 4 march 2014.
- Mapping & Modelling of urban spatial pattern in Moradabad city using Multi Temporal images and Shannon's Entropy in 2016-2017 (Project of Six month internship)
- Project on "Advantage of Lidar" for Master in geoinformatics (MGIS) science, Dehradun submitted to Uttarakhand open university Haldwani (Nainital) Uttarakhand in 2014-15 (Project Internship)

2. PROFESSIONAL SKILLS

- ❖ Use of Auto CAD, Topobase, Arc GIS, ESRI Arc Editor and LISP Extensive Experience in using maps creation software, including ArcGIS, ArcView.
- ❖ Cadastral Mapping (Spatial Adjustment tool).

- ❖ Landuse Mapping (Base Map Layer).
- ❖ Create Database.
- ❖ Georeference Toposheet in Arc GIS.
- ❖ Supervised and unsupervised classification Technique on Erdas software.
- ❖ Geoprocessing tool
- ❖ Georeference Satellite Image.
- ❖ Extracting information from spatial imagery & Toposheet
- ❖ Image Mosaicing on Erdas software.
- ❖ Create shape file.
- ❖ Prepared KML file on Google earth.
- ❖ Digitization on Google Earth.
- ❖ Map Compose on Arc SGIS
- ❖ Cadastral Georeference.
- ❖ Cadastral Digitization on Auto cad.
- ❖ Image Subset & Registration on Erdas.
- ❖ NDVI
- ❖ Prepared Personal Geodatabase
- ❖ Watershed Boundary creation
- ❖ Municipal boundary Creation on Google earth
- ❖ Property Tax Boundary creation.
- ❖ Actively involved in the assessment & monitoring of crops using multi-temporal & multi-spectral Satellite data employing both digital & visual interpretation techniques.
- ❖ The major activity is to provide Pre-harvest crop acreage & production estimates of major crops viz. wheat, paddy, mustard, potato sugarcane & Rabi pulses U.P. and estimates are being provided every cropping season to user.

3. EDUCATIONAL QUALIFICATION

- MT.ech in RS & GIS from AKTU (School of Geoinformatic, Remote Sensing Application Centre Lucknow, Department of Science & Technology U.P.) 2017
- M.Sc in Geoinformatic from Utrakhandh Open University 2015
- B.Sc. from VBS Purvanchal University 2010.
- Intermediate from U.P. Board in 2006.
- High School from U.P. Board in 2004.

4. TECHNICAL QUALIFICATION

- Passed One Year Post Graduate Diploma in Remote Sensing & GIS from Banaras Hindu University, Varanasi.
- Certificate from ISRO in Remote Sensing & GIS (EDUSAT).

5. SOFTWARE KNOWLEDGE

Arc GIS, Auto cad, ERDAS, ILWIS, Leica Geo-office (DGPS Data Processing Software).

6. HONOURS AND AWARDS

- ✓ Secured 1st Prize in Poster Competition on National Remote Sensing Day in RSAC UP for the year 2016
- ✓ Got Best Employer Award in 'Advance Geotech Solutions' for the year 2014

7. PUBLISHED WORK

- Cadastral Level Resource Information System for Sonbhadra Watershed in the Sonbhadra District, UP, using remote sensing and GIS techniques- A case study from auraiya district- published in ISPRS Hyderabad 2014.
- Use of High Resolution Remote Sensing Data and GIS Techniques for Monitoring of 'U' Shaped Wetland at G.B. Nagar District, Uttar Pradesh Sponsored by UGC, Dept. of Geography, DDU Gorakhpur..
- Effect of Rainfall on Rice Crop Yield Chandauli district published in National conference on diversity and utilization of Tropical Plants Sponsored by UGC, Dept. of Botany, and DDU Gorakhpur.

9. PAPERS PRESENTED IN REGIONAL/ NATIONAL AND INTERNATIONAL SEMINARS/ CONFERENCES/ WORKSHOP/ SYMPOSIUM.

- Participated in one day International seminar on Technology, Energy & sustainable Rural Environment in Department of Geography B.H.U.
- Participated in one day National seminar "Ground Water Management in Uttar Pradesh: Issue and Strategies" by Central Ground Water Board, Northern Region, Lucknow, Government of India.
- Participated in one day state level workshop on Gram Panchayat- Based Assets Mapping Programme using Bhuvan Mobile Application under "Empowering Panchayat Raj Institutions Spatially" project sponsored by National Remote Sensing Centre, Hyderabad, ISRO/Dept. of Space, Govt. of India and organized by R.S.A.C, Lucknow Dept. of science of U.P.

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8. PERSONAL DETAILS

Date of Birth : **11/01/1989**
Religion : Hindu
Father's Name : **Dr. Shreekant Yadav**
Permanent Address : Atul Bhawan D65/138 H Misirpura Lahartara
VARANASI, Uttar Pradesh - 221106

I hereby declare that all statements given in this application are true and correct to the best of my knowledge and belief.

Date:

[Karuna Yadav]