Resume

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DOB: 07/04/1989

Summary

Dynamic and motivated professional with a helping nature to generate and build relationships, managing timelines from concept to completion, designing educational/research strategies, and learning spirit from co-workers. Skills include Computer/GIS softwares, analytical thinking and creative problem solving. Able to apply and learn new methodologies in respective field to improve user experience for society and organizations.

Education

Research Scholar (PhD Pursuing)

Oct 2017-Till date

Dept of Earth Sciences,

Gujarat University-Ahmedabad

M.Sc (Geoinformatics)

July 2009 — May 2011

Secured First Distinction (**8.17 GPA**) in

M.Sc Geoinformatics (GIS & Remote Sensing)

Birla Institute of Technology-Mesra (Ranchi)

B.Sc (Environmental Science)

June 2006 — May 2009

Secured Distinction in B.Sc Environmental Science at Sardar Patel University- Anand (Gujarat)

Sardar Patel University-Gujarat

HSC (Science)

June 2005 — April 2006

Secured Second Class in 12th Std (Science Stream)-Alfred High School, Bhuj-Kutch.

Gujarat Secondary & Higher Secondary Education Board (GSHSEB)

SSC

May 2003 — May 2004

Gujarat Secondary & Higher Secondary Education Board

Secured Second Class in 10th Std-Sheth V.D. High School, Bhuj-Kutch.

Languages

Gujarati, English & Hindi

Interests

Singing, Reading, Travelling, Wildlife Photography etc...

Technical Skills

Softwares of Remote Sensing & GIS (ERDAS Imagine, ENVI, R, ArcGIS, Arcview, QGIS, Maxent), Autocad, Programming Languages (C, C++) and MS Office Package)

Work Experience

TAE-Technical Area Expert (NABET QCI)   **Jan 2020 — Till Date**

Approved Expert-Groundwater Modelling (RS & GIS)

Founder Director (TGIS)   **May 2018 — Till Date**

Gujarat Institute of Disaster Management   **Nov 2017 — May 2018**
(GIDM)-Gandhinagar

Training Specialist

Main responsibility was to Train and manage first responders from various government departments and other relevant sectors towards disaster management and its preparedness as a Training Specialist.

GIZ (Indo-German Biodiversity   **Sep 2016 — Oct 2017**
Programme)

Junior Project Coordinator

Main responsibility was to execute project planning and coordination as per the timeline in Gujarat state under the supervision of GIZ-Delhi office in collaboration with Gujarat Forest Department, other partner organizations and respective consultants for CMPA (Conservation and Sustainable Management of Coastal and Marine Protected Areas).

World Bank Project (Gujarat Forest Department)   **Oct 2012 — Aug 2016**

GIS Specialist

Played a Major role in creating **Gir Sanctuary & National Park** as a center of excellence as a GIS Specialist to create a futuristic plan for Asiatic Lion Conservation in Saurashtra landscape. Major responsibility was to make habitat mapping for the Conservation of Biodiversity and rural livelihood of Gir and surrounding region under the World Bank project (**Biodiversity Conservation & Rural Livelihood Improvement**).

Gujarat Institute of Desert Ecology (GUIDE)   **July 2011 — Jun 2012**

Associate Fellow (GIS & RS)

Major objective was to develop strategies to solve related problems of Kutch and surrounding regions from the biodiversity point of view as well as to create mapping hotspots of landuse/landcover maps of Kutch district to measure and conserve the flora and fauna using geospatial tools.

Teaching Experience (Visiting Faculty)

Gujarat Forest Rangers College-Rajpipla   **June 2018 — Till Date**
Geoinformatics
Pandit Deendayal Petroleum University-Gandhinagar   **July 2018 — Till Date**
Geoinformatics
Gujarat Forensic Science University-Gandhinagar   **June 2018 — Till Date**
Geoinformatics
Gujarat University-Ahmedabad   **July 2018 — Till Date**
Geoinformatics & Natural Resources Management

Achievements

1. Award for the **'Use of Modern Technology in 14th Asiatic Lion Census-2015'** by Honorable **Chief Minister of Gujarat Smt. Anandiben Patel**.

2. Stood Third in State Level Poster Competition, **"Climate Change Action Plan of India"** at Ahmedabad-Gujarat.

Publications

1. **Mehta A**, Sinha V.K., Ayachit G. (2012-A) Land-Use/Land-Cover Study Using Remote Sensing and GIS in an arid environment. Bulletin of Environmental and Scientific Research.Vol1. Issue (3-4), pp.-4-8.

2. **Mehta A.** (2012-A) Change Study of Mangroves using Remote Sensing and Geoinformatics -A case study of Mundra, Kachchh-Gujarat. LAP Lambert Academic Publishing.

3. Srivastava PK, **Mehta A**., Gupta M., Singh S.K., Islam T. (2014-A) Assessing impact of climate change on Mundra mangrove forest ecosystem, Gulf of Kutch, Western Coast of India, a synergistic evaluation using Remote Sensing. Theor Appl Climatol (Springer): DOI 10.1007/s00704-014-1206-z

4. **Mehta A**., Sinha M., Chaudhary R. (2014-B) Evaluation of land cover changes in Banni grassland using GIS and RS Technology-A Case Study. Bulletin of Environmental and Scientific Research Vol.3, Issue (4), pp.18-27

5. Dutta J., **Mehta A.** (2016) Discussion on Evaluation of Land Pattern of Banni Grassland using Geoinformatics Approach. E-Journal of Applied Forest Ecology (eJAFE) Vol.4, No.2, pp.40-43

6. **Mehta A.**, Dutta J. (2017) Spatio-Temporal Analysis of Habitat Change in and around Lala Bustard Sanctuary Gujarat, India. Indian Journal of Ecology Vol 44, Issue 4, pp.759-764

7. Kumbhojkar, S.; Yosef, R.; **Mehta, A**.; Rakholia, S. A Camera-Trap Home-Range Analysis of the Indian Leopard (Panthera pardus fusca) in Jaipur, India. **Animals 2020**, *10*, 1600.

8. Article Contribution to Heritage pedia of India-SAHAPEDIA

https://www.sahapedia.org/evaluation-of-the-land-pattern-of-the-banni-grasslands-using-geoinformatics-approach

9. Major Contributor in Forest Management Plans of Barda Sanctuary (Porbandar), Porbandar Bird Sanctuary & Blackbuck National Park (Velavadar) under guidance of World Bank Project & Gujarat Forest Department.

10. Rakholia, S., **Mehta, A.** and Suthar, B. Forest fire monitoring of Shoolpaneshwar Wildlife Sanctuary, Gujarat, India using geospatial techniques. CURRENT SCIENCE, VOL. 119, NO. 12. (25 DECEMBER 2020)

11. **Mehta, A**., Shukla, S., and Rakholia, S. Vegetation Change Analysis using Normalized Difference Vegetation Index and Land Surface Temperature in Greater Gir Landscape. Journal of Scientific Research, VOL. 65, Issue 3. (2021)

Trainings/Presentations

1. Participated in Training on Applications of Hyperspectral Remote Sensing (Forestry) at Maharaja Sayajirao University, Baroda, Gujarat, India held by Department of Science & Technology, Delhi-India.

2. Attended Workshop on Landscape Mapping & Monitoring held by Wildlife Institute of India, Dehradun, India.

3. Presented a paper in Student Conference on Conservation Science-Bangalore 2014 (Poster Presentation on "Change Detection in Mangroves along Mundra Coast using Remote Sensing and Geoinformatics")

4. Attended 1st NISAR (NASA-ISRO Synthetic Aperture RADAR) Workshop, Space Application Centre, Ahmedabad.

5. Attended Training Programme on "Applications of Remote Sensing and GIS technology for Coastal Disasters: Special emphasis on Gujarat Coast" (December 2016) held by Gujarat Institute of Disaster Management (GIDM), Raisan-Gandhinagar, Gujarat.

References

1. **M.H.Kalubarme**
   Project Director,
   Bhaskaracharya Institute for Space
   Applications and Geoinformatics (BISAG)
   Department of Science &Technology,
   Govt. of Gujarat, Gandhinagar.
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2. **Dr.Prashant K.Srivastava**
   Assistant Professor,
   Institute of Environment and Sustainable Development,
   Banaras Hindu University, India
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