

LALITHA ALLAKA

E-mail: allakalalitha@gmail.com § Phone: 9502944770

OBJECTIVE

To foster a perspective career by using expertise knowledge through the development of the organization and also strive hard to get success in all my endeavours in reaching the professional zenith.

WORK EXPERIENCE

**APRIL 2019-
JULY 2020**

JUNIOR PROJECT ASSISTANT

RCGSIDM, IIT KHARAGPUR.

Worked as Junior Project Assistant in Ranbir and Chitra Gupta School of Infrastructure Design and Management, Department of IIT Kharagpur, under the Project Entitled " Planning Smart Cities : Urban Dynamics and Surface Temperature Extraction Using Hyperspectral Remote Sensing Data" Sponsored by Department of Science and Technology(DST), Kolkata, Govt. of West Bengal.

EDUCATION

M.TECH IN REMOTE SENSING AND GIS

2016 — 2018

INDIAN INSTITUTE OF REMOTE SENSING-CSSTEAP

Obtained C.G.P.A of 8.89

B.TECH (GEO-INFORMATICS)

2012 — 2016

Andhra University College of Engineering(A)

Obtained C.G.P.A of 8.84

HIGHER SECONDARY

2010 — 2012

Aditya Junior College

Completed Higher Secondary with 96.7 percentile

SECONDARY EDUCATION (S.S.C)

2009 — 2010

ZILLA PARISHAT HIGH SCHOOL

Completed S.S.C with 92.16 percentile

ACADEMIC REALM

- Remote Sensing
- Photogrammetry
- Geographic Information Systems (GIS)

PROJECTS DONE

- **Digitization and Updation** through satellite imagery of Hathi Barkala Estate, Dehradun at **NATIONAL GEO-SPATIAL DATA CENTRE, SURVEY OF INDIA, DEHRADUN**.
- **Facility Mapping and tracking** shortest distance between two locations in **Visakhapatnam** using google earth image-a gis approach.
- **Investigating Impervious Surface Area, using NDBI and NDVI** as indicators for Urban heat island effect using **LANDSAT IMAGERY** - A case study on **Delhi**.
- **Multi city urban weather simulations** using Weather Research Forecast (**WRF**) model.

PUBLICATIONS

JOURNALS :

1. Nimish, G, H A Bharath, and **A Lalitha**. 2020. “**Exploring Temperature Indices by Deriving Relationship between Land Surface Temperature and Urban Landscape**” Remote Sensing Applications: Society and Environment 18(February): 100299.
<https://doi.org/10.1016/j.rsase.2020.100299> .
2. Kshama Gupta; Pushplata Garg; **Lalitha Allaka**; Malleswara Rao Jillela; Praveen Thakur; Jai Shankar Gummapu; A Senthil Kumar. (Under peer review). **Modelling Seasonal Variation in Urban Weather in Sub-Tropical Region of Delhi** Journal of the Indian Society of Remote Sensing. Manuscript No: ISRS-D-19-00619.

CONFERENCES :

1. **Lalitha Allaka**, Nimish Gupta, Bharath H Aithal. (Under Conference Proceedings). **Land use pattern analysis and Land Surface Temperature extraction: A case study of Kolkata**. IEEE conference, Gujarat Session, Indicon 2019 ,13-15 December 2019, Rajkot, India.

TECHNICAL ATTAINMENT

- **Programming Language** : Basics of C
- **Platforms** : Windows XP/7/8
- **Multimedia Tools** : Adobe photoshop
- **GIS Exposure** : Erdas Imagine, ArcGIS, QGIS, Grads, Mobaxterm

SCHOLASTIC ACHIEVEMENTS

- Awarded with certificate of appreciation for securing **Third** rank in Regional level **Chekumuki Science Talent Test** for the year 2009.
- Grabbed the certificate of Recognition and a scholarship for **Meritorious** performance in school by **Telugu Society of America** for the year 2009.
- Grabbed the **Thumbs Up Merit Scholarship** for securing better marks for the year 2007.

EXTRA CURRICULAR CREDENTIALS

- Awarded with certificate of appreciation for participating in **5 K RUN** for **YOUTH AND SOCIAL AWARENESS** under GOVT OF A.P for the year 2015.
- Grabbed the certificate of **Eco Partnership** by participating in **National Green corps Students Environmental Congress** under GOVT OF A.P for the year 2007.
- Participated in several Cultural and Quiz Competitions at school and college levels.
- Comported as Class Representative for Higher Secondary.

PERSONAL TRAITS

- Upholding the team spirit
- Endurance
- Efficient writing and oral skills
- Inquisitiveness.

AVOCATIONS

- Playing carroms and Badminton.
- Reading Books.
- Cooking.

REFERENCES

1. **BHARAT H AITHAL** - ASSISTANT PROFESSOR,RCGSIDM,IIT **KHARAGPUR**,WESTBENGAL.
CONTACT NO : +91-3222-284944 , EMAIL : bhaithal@iitkgp.ac.in
2. **KSHAMA GUPTA** - SCIENTIST-SF,URSD,INDIAN INSTITUTE OF REMOTE SENSING (**IIRS**),
DEHRADUN,UTTARAKHAND.
CONTACT NO : 0135-2524329 , EMAIL : kshama@iirs.gov.in

PERSONAL PROFILE

- Languages known : English, Telugu, Hindi.
- Father's Name : A.V.Manikyala Rao
- Date of Birth : 19.08.1995
- Permanent Address : Dr.No : 1-22/1,
Opp. Ambedkar statue,
Gollapalem,
Kajuluru Mandal,
East Godavari District-533468.