

# CURRICULAM VITAE



**B ANAND**

***M.Tech Remote Sensing***

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## Career Objective

*To solve problem in a creative and effective manner, and to open up new avenues of solution while maintaining the standards set by the organization.*

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## Professional Education

- *M.Tech. in Remote Sensing*
  - *B.Tech. in Geotechnology and Geoinformatics*
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## Educational Qualification

- *Passed M.Tech Remote Sensing (2013 – 2015) from Regional Centre of Anna University, Tirunelveli with 7.97 CGPA*
  - *Passed B.Tech Geo Technology & Geo Informatics (2009 – 2013) from Bharathidasan University, Trichy with 7.17 CGPA*
  - *Passed 12<sup>th</sup> from Higher Secondary Board, Tamil Nadu with 56% (2009)*
  - *Passed 10<sup>th</sup> from Board of Secondary Education, Tamil Nadu with 68% (2007)*
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## Research Experience

*Worked as a Junior Research Fellow (JRF) in **NRDMS-DST Project** in Department of Civil Engineering, Sri Shakthi Institute of Engineering and Technology, Coimbatore – 641062  
[March 2016 to May 2019] – **Total Experience 3 Years 2 Months***

## Area of Expertise

### Research Interest

- Remote Sensing and GIS applications for Hydrology and Water Resources
- Natural Resources Management
- Satellite Image Processing
- Groundwater Modeling
- GIS Database Creation
- GIS Spatial Modeling
- Geoinformatics Applications
- Urban Mapping

## Project Training

1. Undergone five months Project Training in **Indian Institute of Remote Sensing (IIRS), ISRO, Dehradun, during January 2015 to May 2015.**
2. Undergone one month Internship Training on “Creation of Database in Geomorphology” in **Geosciences Group, Remote Sensing Application Area, NRSC, ISRO, Hyderabad, during June 2014 to July 2014.**

## M.Tech Project Phase I

*A Study of Geomorphological Change Detection Analysis of Tamirabarani Delta Using Geospatial Technology*

## M.Tech Project Phase II

*Statistical based modeling for Land Use and Land cover changes based on Effective driver selection*

## Graduation Project

*Landslide Hazard Zonation Mapping using Geospatial Technology in parts of Kodaikanal Hill Region, Tamil Nadu.*

## Software Exposure

*Arc GIS, QGIS, GRASS GIS, ENVI, ERDAS, IDIRSI, ILWIS, SARSCAPE, Micro station, Google Earth Engine*

Language  
Exposure

C, C++, R

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Conference  
Papers and  
Proceedings

1. M.R Rajmohan, **B. Anand**, P. Balakrishnan, Praveen Durai Raj, A. Joy Johnson & J. Saravanavel “Landslide Hazard Zonation using Geospatial Technology in parts of Kodaikanal Hill Region, Tamil Nadu, India”, 2<sup>nd</sup> Disaster Risk Vulnerability Conferences 2014 (DRVC2014), 24 – 26 April, Department of Geology, University of Kerala, Trivandrum, India, 10(15); Pages 141 – 146.
  2. **B. Anand** and D. Karunanidhi “Identification of Artificial Recharge Structure based on Field Expert method using hand held GPS in Lower Bhavani Basin, Erode District, Tamil Nadu”, 3<sup>rd</sup> Joint International Conference on Environmental Science & Climate Change, 2016 (JICESCC2K16), Karunya University, India and Instituto Politecnico Nacional (IPN), Mexico.
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1. **B. Anand**, D. Karunanidhi, K. Srinivasamoorthy, T. Subramani & M. Suresh “Long-term trend detection and spatiotemporal analysis of groundwater levels using GIS techniques in Lower Bhavani River basin, Tamil Nadu, India”, Environment, Development and Sustainability, pp. 1-22, (2019). Doi: 10.1007/s10668-019-00318-3 [Impact factor – 1.676]
  2. D. Sakthivel, G. Vennila, D. Karunanidhi, K. Srinivasamoorthy, **B. Anand** & T. Subramani “Hydrogeochemical characterization and evaluation of groundwater quality in Kangayam taluk, Tirupur district, Tamil Nadu, India using GIS techniques”, Environmental Geochemistry and Health, pp. 1 – 23, (2018). Doi: 10.1007/s10653-018-0183-z [Impact factor – 3.252]
  3. **B. Anand** & D. Karunanidhi, “Long term spatial and temporal rainfall trend analysis using GIS and statistical methods in Lower Bhavani basin, Tamil Nadu, India”, Indian Journal of Geo Marine Sciences(IJMS), (2018). (Accepted for Publication)[Impact factor – 0.289]

## Publications

4. **B. Anand**, D. Karunanidhi, T. Subramani, K. Srinivasamoorthy & KY Raneesh “Prioritization of subwatersheds based on quantitative morphometric analysis in Lower Bhavani basin, Tamil Nadu, India using DEM and GIS techniques”, *Arabian Journal of Geosciences*, vol. 10, issue 24, pp. 1-18, (2017). Doi: 10.1007/s12517-017-3312-6. [Impact factor – 1.141]
  5. M. Kirubakaran, J. Colins Johny, S. Karuppasamy & **B. Anand** “Hydrological water balance evaluation in Tirunelveli taluk, Tamil Nadu, India using Remote Sensing and GIS techniques”, *Advances in Natural and Applied Sciences*, vol. 10, issue 15, pp. 82 – 89, (2016). ISSN: 1995-0772.[Impact factor – 1.68]
  6. **B. Anand**, D. Karunanidhi, M. Suresh, T. Subramani & K. Srinivasamoorthy “Integrated approach for estimation of rainfall-runoff using Soil Conservation Service Curve Number (SCS-CN) model and geospatial techniques in Lower Bhavani River basin, Tamil Nadu, India”, *Environmental Earth Sciences*, (Under Review)[Impact factor – 1.871]
  7. **B. Anand**, D. Karunanidhi , T. Subramani & K. Srinivasamoorthy “Promoting artificial recharge structures for sustainable development of groundwater in Lower Bhavani River Basin Tamil Nadu India using Geospatial and Multi-Criteria Decision techniques”, *International Journal of Geographical Information Science*, (Under Review) [Impact factor – 3.545]
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### Special Mention

1. *Attended DST – SERB & DAE – BRNS Sponsored National Level Workshop on “Recent Advancement in Water Quality Monitoring and Sustainable Management for Human Health” in Department of Civil Engineering, Sri Shakthi Institute of Engineering and Technology, Coimbatore from 03.01.2019 to 05.01.2019.*
2. *Attended INDO-US Bilateral Workshop on “Coastal Groundwater Dynamics Combining Future Climate Change and Human Development” sponsored by IUSSTF and organized at Pondicherry University from 07.06.2018 to 09.06.2018.*
3. *Attended DST-SERB & DAE-BRNS Sponsored National Level Workshop on “Recent Advanced Techniques for Aqua Chemical Characteristics and Sustainable Development of Bed Rock Aquifers” in Department of Civil Engineering, Sri Shakthi Institute of Engineering and Technology, Coimbatore from 22.08.2017 to 24.08.2017.*
4. *Attended DST- SERB Sponsored National Level Workshop on “Advanced Techniques for Monitoring Water quality and Management of Stressed Groundwater Aquifers” in Department of Civil Engineering, Sri Shakthi Institute of Engineering and Technology, Coimbatore from 22.02.2017 to 24.02.2017.*
5. *Participated in DST-NRDMS Sponsored National Level Training Programme on “Geospatial Technologies” in Department of Mining Engineering, College of Engineering, Anna University, Chennai from 08.02.2017 to 10.02.2017.*
6. *Participated in GeoSmart India of Geospatial Media and Communications forum from 1.03.2017 to 03.03.2017 in India Expo Centre and Mart, Greater Noida, India.*
7. *In – Plant Training in Oil and Natural Gas Corporation Limited (ONGC), Cauvery Asset, Karaikal from 25.06.2012 to 28.06.2012.*

8. *Attended Advance Training Course on “Hyperspectral Remote Sensing” Conducted by IIRS, ISRO from 13-02-2012 to 30-03-2012.*
  9. *In – Plant Training in BURN STANDARD COMPANY LIMITED from 13-06-2011 to 17-06-2012, Salem*
  10. *Participated in Joint International Workshop of ISPRS WG VIII/1 and WG IV/4 a Title of “Geospatial Data for Disaster and Risk Reduction” on November 21 – 22, 2013, Hyderabad.*
  11. *Attended Workshop on “Open source Web GIS” in National Level Technical Symposium Geohorizon in College of Engineering, Anna University, Guindy, Chennai.*
  12. *Participated in National Seminar on Geo-Informatics for River Basin Studies at Dept. of Geography, Bharathidasan University in March 2012*
  13. *Participated in AGE’12 Symposium at Dept of Geology, Anna University, Chennai February 2012.*
  14. *Internship Training in Surveying held on September 14 – 17, 2010, at PG and Research Department of Geology, National College Trichy.*
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### **DECLARATION**

*I hereby declare that all the statements made in the CV are true to the best of my knowledge.*

*B Anand*  
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