

AJITH C S NANJEGOWDA

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CAREER OBJECTIVES

To gain greater insight into the field of GEO-INFORMATICS & CIVIL ENGINEERING by way of exposure to real work atmosphere in a well-established organization and also to seek a challenging career to channelize my abilities towards individual, organizational and societal benefits which will add value both to me and to the company.

ACADEMIC QUALIFICATIONS

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| Sl. No | Qualification | College | Completed | Percentage |
| 1 | M-Tech In Geo-Informatics (GIS & Remote Sensing Engineering ) | VTU-EC, Bengaluru | 2016 | 78.38 |
| 2 | BE in Civil Engineering | NDRKIT, VTU | 2014 | 75.38 |

**WORK EXPERIENCE**

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| Sl. No | Organization | Duration | Designation |
| 1 | Indian Institute of Science Centre.  BANGALORE | August 2016 - February 2017 | Project Associate |
| 2 | ARCADIS Global Excellence Centre.  Bengaluru. India | March 2017 -September 2018 | Asst.GIS Analyst |
| 3 | Dakshina Pinakini River Rejuvenation Trust (NGO) | November 2018-Present | Engineer |

SOFTWARESKILLS

## ESRI Suite

* **ERDASIMAGINE**
* **Q-GIS**
* **PCSWMM (Basics)**
* **MapInfo**
* **AUTOCADDMAP3D**
* **Python ( Beginner )**

FIELD OF INTERESTS IN WORK PROFILE .

* Geo-Spatial core Streams.
* SWAT & Hydrological Modeling Works.
* Waste water Modeling & treatment plant Design.
* Environmental engineering.
* Master Plan Preparation for Developing Cities.
* Coastal Engineering Works.

WORK PROFILE

* + Ground Water Modeling and SWATModeling
  + Hydrological Modeling and flood Analysis.
  + Urban Sprawl Analysis Using Satellite imaginary for preparation of Master-Plan City Municipal Corporation.
  + Master-plan Creations for Developing Cities.
  + Visual Interpretation, LU/LC classification of satellite data, Satellite Data Preprocessing,
  + Surveying using high-end instruments.
  + Data analysis and Data management using ARC-GIS and ERDAS software.
  + Collection of Ground Control points using GPS.
  + Generating map layouts using Arc map.
  + Air- Quality monitoring

**TRAINING .**

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| --- | --- | --- | --- |
| Sl. No | Organization | Duration | Designation |
| 1 | Urban Mapping Cell. Dept. of Town & Country Planning. Bengaluru | August 2015 to July 2016 | Internship Internee |
| 2 | Sapienza university of Rome. Italy | September 2018- November  2018 | INTERN |
| 3 | Google Earth Engine Summit -2019 | Two days workshop | Attendee |

* + 3 Months NOKIA HERE MAP UPDATION COMMUNITY PROGRAMME from 27 April 2015 to July 2015
  + Watershed analysis, storm water drainage network creation for HLPA.
  + DIGI-COLLECT, Bangalore.
  + Attended workshop on Bio-diversity awareness and FOSS-4G Program at IISC BANGALORE in August2015.
  + Working experience with **TRIMBLE** and **LEICA** Total stations, **DGPS**, **TRIMBLE D5700** GPS Receiver for triangulation survey @ UMC (Urban mapping Cell). DTCP. GOK.BANGALORE.
  + Cartography work is also done using old revenue maps @ UMC (Urban mapping Cell). DTCP. GOK.BANGALORE.
  + Air quality monitoring for metro Politian cities.
  + Some Work experience with UAV's to prepare map of 1:500 scale @ UMC (Urban mapping Cell). DTCP. GOK.BANGALORE.
  + High Resolution Base Map preparation using open source data.
  + **ORACLE 12C (RDBMS)** Spatial Data-management @IISC, Bangalore.
  + **Around 3+ years of work experience in GIS field**.

EXTRA CURRICULAR ACTIVITIES

* + Construction work Site visits on every weekend for updation.
  + Work experience with FARO laser scanning in monument survey.
  + Very Active CSR Work’.

LANGUAGES

* + English, Hindi & Kannada (Spoken &Written) and basics ofItalian.

PROJECTS

1. UMC.DTCP: URBAN MAPPING CELL. DEPARTMENT OF TOWN AND COUNTRY PLANNING. GOVT OF KARNATAKA. INDIA

* Master-Plan for Urban Local Bodies.
* Watershed Analysis for Micro to Marco Watersheds.
* Crop v/s Cultivation Land Estimation and LULC.
* Aerial Surveying Using UAV’s.
* Coastal shoreline change detection analysis.
* Total Station Survey In 1:500Scale.
* Ground water Model.
* GPS Rovers Used for Triangulation Survey (D5700).
* Drainage Network Analysis for Storm Water Drainage**.**

1. Dakshina Pinakini RiverRejuvenation
   * Restoration of OLD Tanks with help of GIS & Remote Sensing.
   * Hydrological Modeling and drainage Network Analysis.
   * Water Budgeting.
   * Design of drainage Cross Sections
   * Desiliting & De -weeding of tanks.
   * Head bund Improvement works.
   * Waste weir and cross bund construction works.
   * Construction of wetland for water polishing.
   * Improvements to storm water inlets.
   * Quantity and cost estimation.
   * Survey works( DGPS, Total Station, Drones)
2. **SapienZa University Roma Italy :**

# Advance GIS & Remote sensing Application in the field of Traffic planning.

* + Transport Network and Vehicles
  + Sustainability solutions for traffic engineering.
  + Statistical Analysis for Urban growth.

4 . INDIAN INSTITUTE SCIENCE CAMPUS, BANGALORE.

• VILLAGE INFORMATIONSYSTEM:

Village Information System (VIS) project is implementing using geospatial technologies with scientific knowledge. Main objectives of the VIS are to identify and design a spatial data model, Assessment, collection of available data and supplement data gaps, validation of data model, Development of decision support system to empower planners and citizen and Development of an

integrated information system using geospatial technologies Roles and Responsibilities:

* Cadastral and habitation mapping using GPS andDGPS instruments
* Collecting Geo-location based Soil and water quality samples at Grama Panchayaths level for Geospatial analysis.
* Estimation of Ground waterlevel
* Updating of Database for Cadastral Layers
* Extraction of information From High Resolution Satellite images (Quick Bird and Carto-sat) such as agricultural

area, water bodies and also to estimate changes in Land Pattern.

* Rainfall-runoffanalysis,studyofgroundwaterfluctuationsusingobserved well data are carried out and integrated all the information with cadastral data
* Information extracted from satellite imagery with Field data is overlaid to Cadastral under GIS domain at village level.

**•** KARNATAKA STATE SPATIAL DATA INFRASTRUCTURE(KSSDI).

Operating System: Windows 12

Tools**:** ARCGIS Version 10.2.2, Geo-media, Oracle 11G Spatial, ERDAS Apollo.

Description: Wed-based Geo Portal is an internet-based, Geo-spatial data directory of Karnataka state to support decentralized planning. Main objective of Geo Portal is to manage and distribute Geo-spatial data to researchers and stakeholders. In addition, tobuildaDataclearinghousei.e.Geo-portaloperatesasacentralizedsinglewindowaccesssystem,where spatial data generated by various agencies are available. Modules in Karnataka Geo Portal are categorized as Map viewer-Web Map Service (WMS), Productcatalogue/metadata-CatalogueServiceonWeb(CS-W),Servicesspecificservice/featuredatasets-WebFeatureService (WFS), Simple Applications (Query-based decision support), Coverage services/images - Web Coverage Service (WCS) and Help/support. Geospatial applications with latest information will be frequently updated.

Roles and Responsibilities:

* Creation of WMS and WFS layers and published in Karnataka geo-portal.
* Development of Multi-spatial-attribute queries.
* Updating of data base.
* Maintenance of Karnataka Geo-portal.

✓

***5.*** ARCADIS GEC. INDIA- USENVIRONMENT

* + Creation of Radio-Active Map and Soil-Sample Data Analysis.
  + Creation of Contour Interval based On Ground Water Elevation Details.
  + Creation of Gamma radiation Maps
  + Creation of Contour based on Ground Water Elevation Maps on Quarter basis
  + Preparation of Groundwater Elevation and Analytical Figures.
  + Preparation of GIS figures for DTSC (Department of ToxicSubstances Control)
  + Geocodingforvariousprojects(Convertingaddressesintogeographicalcoordinates)–BASF(chemicalcompany),Union Pacific, ARCADIS Office and Client Locations, ANA Proposal Storm water-Watershed Map, Arcadis BD, Corning Marketing Map, Fort Drum Oasis, FortDrumIRP
  + Preparation of COCs and COPCs, Metal Color coded GIS figures for JBMDL (Joint Base McGuire Dix Lakehurst – OU2 Feasibility Study)
  + Data Posting (Ground Water and Analytical Values) and Figure Updates of current sites; Geo-spatial Analysis and Data depiction (Substances like GRO, BENZENE, MTBE and TBA that have seeped into the sub-surface)
  + Identifying and cleaning up of sites (public and private - 4800) contaminated by Radioactive waste (startedin2012)
  + Radiological testing will recognize properties with radioactive waste and that requires remediation
  + Application GIS & Remote sensing support for Transportation and water Teams.
  + UpdatingofCrT/CrVI(Totaldissolvedchromium/hexavalentchromium)andManganeseforIRZfigures,Updationof elevations for GWE figures, preparation of Hydraulic Capture figures and GMP figures.

ACADEMIC PROJECTS:

* Replacement of coarse aggregate and fine aggregate by lateritic sand and crushed granite on different ratios was done in Under-graduatelevel.
* Geospatial health and school information system for Hassan Local Planning Area was my M-TECH Thesis.

PERSONALOVERVIEWS

* Highly motivated & self Driven.
* Readiness to face challenges.
* Willingness to learn.
* Good communication skills but strong team player.
* Strong organizing capabilities & good at peoples kills.
* Decision making abilities & strong believer inwork
* Meeting People and Communicating.
* Good at Leading work and subordinates towards thegoal.
* Want to walk some extra miles forachieving excellence.
* Comfortable in all Areas of **GEO-INFORMATICS** &**CIVIL ENGINEERING in** anywhere in the **GLOBE**.

REFERENCE

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| --- | --- |
| Ashutosh Alone DTCP.GOK.BANGALORE  [umcashutosh@gmail.com](mailto:umcashutosh@gmail.com) 8123113991 | Dr. B.P. lakshmikantha .SCIENTIST  .KSRSAC9448457575,  [laxmikantha\_bp@rediffmail.com.](mailto:laxmikantha_bp@rediffmail.com)  Bangalore. |
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PERSONAL PROFILE

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| --- | --- |
| NAME | ………AJITH C S |
| FATHER NAME | ………SUNIL KUMAR |
| PERMANENT ADDRESS | ………DYAVAMMA NILAYA  CHANNAPATNA EXT BEHIND KMF FACTORY HASSAN.573201.INDIA |
| NATIONALITY | ………INDIAN |
| GENDER | ………MALE |
| MARITAL STATUS | ………UNMARRIED |
| LANGUAGES | ………KANNADA , HINDI& ENGLISH |

DECLARATIONS.

I guarantee you that my Technical skill & knowledge will be distinctive competency resources to your organization I am willing to meet you, if you need further clarification about my resume.

Thanking you in anticipation

AJITH C S

Date:06-06-2019

Place: Bengaluru