Dhaval Gordhanbhai Patel

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New Naroda, Ahmedabad-382330

Summary

Diligent GIS Analyst with nearly 5 years of experience with ArcGIS, Erdas, Global Mapper and pix4d Software for developing GIS databases as well as data creation/ editing tools and snapping tolerances. Continuously looks at ways to add value to take the initiative in improving processes and identifying business opportunities.

Professional Synopsis

I have a valuable experience of GIS , Remote Sensing and UAV/Drone Data Processing for well knowledge. These Training giving me Exposure of GIS works Environment, which is helping for further opportunities.

1. **HRP Infra Consultants Pvt. Ltd.**   **Feb 2019-March 2019- as GIS Consultant**
    Project title "Preparation of GIS based Master plan & Zonal Development Plan for 18 towns of Jharkhand State ".Data (Shape file) Prepare according to Amrut Guideline.

2. **Enercomp Solutions Pvt. Ltd.**   **Sept 2018-Jan 2019 - as Data Processing Executive**
    Solar inspection, land Surveying, Archeology 3d model, Power Line inspection, Cell Tower inspection, etc., type of project data(image) capture by drone and process them (output – point cloud, DSM, Orthomosaic)

    - ❖ Point cloud Classification
    - ❖ 3d Data digitize
    - ❖ PostgreSQL, Geoserver

3. **Nascent Info technologies Pvt. Ltd.**   **April 2017-Aug 2018 - as GIS Analyst**
1) Urban Development Based on GIS for **Ahmadabad Municipal Corporation (AMC)**:
    - ❖ DGPS Point Planning
    - ❖ Prepare Data [survey parcels, utilities and infrastructures (Road, Railways, Water Network, Drainage, Sewerage, Building footprints, etc.)]
    - ❖ Base map Preparation from WV3 Satellite Image
        - ✓ Feature Extractions
        - ✓ Classification of Features from L1 to L5
        - ✓ Preparation of Layout of Utilities
    - ❖ Property Tax Assessment
        - ✓ Planning and Grid Preparation
        - ✓ Property Survey & Tagging work distribution &Tagging through Team
    - ❖ Quality Check/Control on GIS Database

4. **NLRMP Cell, Settlement Commissioner office, Gandhinagar   Oct 2016-April 2017- as GIS Operator**
1) National Land Records Modernization Programme (NLRMP) of **GUJARAT**
   - ❖ Quality Check/Control on GIS Database of all district of Gujarat
   - ❖ Reporting to Agency about Data

5. **Infinium Solutionz Pvt Ltd.**   **May 2015-April 2016 - as GIS Analyst**
1) Online Mining Tenement Registry System for Department of Mining & Geology, **Tamilnadu (India)**
   - ❖ Data Conversion and Geo-Database Preparation, Geo-referencing,Satellite Image Processing, Quality assurance/control, Layer Verification and Cleaning
   - ❖ Coordinate with other technicians and analysts in various data development and project support initiatives
   - ❖ Provide technical expertise and support to draft man
2) Design, Development and Implementation of Web based GIS Application including all necessary ground survey Along with GIS Database at **JAMNAGAR MUNICIPAL CORPORATION(India)**
   - ❖ DGPS Point Planning
   - ❖ Base map Preparation from WV3 Satellite Image
     - ✓ Feature Extractions
     - ✓ Classification of Features from L1 to L5
     - ✓ Preparation of Layout of Utilities
   - ❖ Property Tax Assessment
     - ✓ Planning and Grid Preparation
     - ✓ Property Survey & Tagging work distribution &Tagging through Team

6. **Birla Institute of Scientific Research**   **April 2015-May 2015 - as JRF**
1) Thematic mapping on 1:10k scale under Space Based Information Support for Decentralized Planning for few **Rajasthan District**
   - ❖ LULC Mapping for Rajasthan District

7. **Birla Institute of Technology(BIT)**   **May 2014-Mar 2015 - as JRF**
1) Characterization of Land Cover using SARAL-Altika Altimeter Data (Microwave Data) produce image and analysis Data for **all over india**.

8. **Institute of seismological Research (ISR)**   **July 2013-May 2014 - as JRF**
1) "Development of multi-criteria model to assess the damage of Earthquake on human Settlement (**Case of Gandhidham**)" on entitled project.

Skill Highlights
- ❖ GIS Software (ArcGIS 10.5, ERDAS Imagine and Photogrammetry 2016, Global Mapper,Quantum GIS,Pix4d Mapper)
- ❖ Database language: PostgreSQL
- ❖ Point Cloud Classification
- ❖ Map Publishing: Geoserver
- ❖ Spatial Analysis, Site Selection using Multi-Criteria Evaluation, Networking.
- ❖ Vector property mapping
- ❖ Documentations & reporting
- ❖ Quality improvement processes

Academic Details

- **2011-2013 Master in Geoinformatics with First Class (67.92%)**
  College –Department of Geography, University of Pune
  University - University of Pune, Pune, Maharashtra
- **2008 – 2011 B.Sc. in Mathematics with First Class (51.76 %)**
  College - M.G. Science Institute, Ahmedabad
  University - Gujarat University, Gujarat
- **2009 – 2011 Diploma in Geoinformatics with First Class (74.85 %)**
  College - M.G. Science Institute, Ahmedabad
  University - Gujarat University, Gujarat
- **2008 – H.S.C with Pass Class (45.40%)**
  School- Vidhyanagar High School, Ahmedabad
  Board - Gujarat Secondary& Higher Secondary Education Board, Gandhinagar
- **2006 – S.S.C with First Class (67.29%)**
  School – Vidhyanagar High School, Ahmedabad
  Board - Gujarat Secondary& Higher Secondary Education Board, Gandhinagar

Annual Project Assignments Experience:

1) **Summer Internship: (2 Month)**
   CEPT University
   Using LANDSAT data, Estimation of Normalized Difference Vegetation Index (NDVI) and Built-Up Index (BUI) of the Ahmadabad City.
   Using Software: ERDAS Imagine 9.2

2) **Dissertation: (6 Month)**
   Institute of Seismological Research (ISR), Gandhinagar
   Duration: 1st January to 31th May, 2013.
   Using Stereo Pair image of Cartosat-1, Extracted Height information of Jamnagar city, Where computed 3D Building. Jamnagar city is Compact and Dense Area. Our Objective is to compute a Height of buildings.
   Using Software: LPS (Leica Photography Suite) 11, ERDAS IMAGINE 11, ArcGIS 10, Google Map Reference.

Achievement

- Paper Published on entitled **"Altika backscatter coefficient variation over land"** Nilima Rani Chaube[1], B. K. Singh[2], Dhaval G. Patel[2], Space Application Center, ISRO, Ahmedabad[1], Birla Institute of Technology, Jaipur[2] (Oct 02, 2014).

Conference/Certificate

Sr. No.	Conference	Topic
1	Indian Society of Geomatics (Feb. 2010) at SAC/ CEPT, Ahmadabad.	The Geomatics-2010 Pre-conference Tutorial on Planet Geomatics, Municipal GIS and e-Governance

2	Indian Society of Geomatics-Pune Chapter (Jan. 2012) at Symbiosis Institute of Geomatics, Pune.	Workshop on New Trends in GIS with Special Reference to Mobile GIS
3	National Seminar (March 2012) at Department of Geography, University of Pune.	Application of Remote Sensing and GIS in Geography
4	Secoa (Solution for Environmental contrasts in Coastal Areas) 6th International Project Meeting, Mumbai.	Workshop on Neural Network, Costal areas, Graph Theory and Network Analysis by Professional GIS analyst

Institutional Visit

National Remote Sensing Agency (NRSA)(Oct. 2011) Balanagar-500037, Andhra Pradesh, India.

Arrange by Department of Geography, University of Pune.
Attend the Lectures of Application of Remote Sensing and GIS in Geoinformatics.

Personal Detail

Date of Birth   : - 1th Sep' 90
Gender   : - Male
Marital Status   : - Married
Nationality   : - Indian
Language known   : - English, Gujarati, & Hindi

Declarations

        I hereby declare that the above mentioned information is correct up to my knowledge and I bear the responsibility for the correctness of the above mentioned particulars.

Date:-
Place:-

                                                                                Dhaval Patel