

## KUNJALKUMAR PATEL

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### OBJECTIVE

Experienced Graduate with strong Geology & GIS application skills, having expertise in Geological Field & Cartography, Remote Sensing Technology seeking challenging full time opportunities in professional organization that incorporates my abilities in improving the work efficiency of the organization.

### EDUCATION

#### Master of Science in Geo-Information Science

Salem State University, Salem, MA

Aug'14-Dec'16

GPA: 3.7

#### Bachelors of Science in Geology

Gujarat University, Gujarat, India

July'10-May'13

GPA: 3.5

**Related Courses:** GIS & Remote Sensing, Geological Field Work, Paleontology, Geography, Environmental Site Assessment, Basic Database Design, Geochemical Analysis, Spatial Analysis, Stratigraphy & Toxicology, Wetland Delineations & Evaluations.

### CERTIFICATIONS

[OSHA HAZWOPER 40 Hour](#) & [OSHA Certified Environmental Specialist](#)

March'17

### SKILLS

- **Geology Skills:** Soil Logging & Testing, Rock Identification, Mud Logging, Gamma Logs, Photo Logs, Oil Ratio Logs, Bore Hole Analysis, Geochemical Analysis, Field work, Report Writing, Surface Drilling, Hydrology, RCRA, CAA, CWA, EPA, CERCLA, HAZMAT safety site Analysis, Storm Water Management, Ground Water Sampling, Wildlife Conservation, Habitat Assessment, Quality Assurance/Quality Control, Petrology.
- **Software Skills:** ArcGIS 10.x, ERDAS Imagine, Idrisi, LogIt, Rock it, AcquireIt, Pason, Rig Watch, Golden Surfer, QGIS, Grass GIS, SeaDas, Google Earth Pro, GPS point collector, PCI Geomatica, PostgreSQL(GIS), MS Office, DB Designer Fork, Inscape, Spatial Database Design, Adobe.
- **Technical Skills:** Google Maps, Carto, WIX Website Creator, Context Editor, Batch Geo, ESRI online, Web Mapping, Open Street Map, MapQuest, Bing Maps, Cartography, FEMA Flood plan mapping.

### WORK EXPERIENCE

#### Wellsite Geologist, Selman & Associates, Midland, TX

July'17-Present

- Monitored all drilling activities; examined drill cuttings & performed evaluations for hydrocarbon content.
- Determined gas concentrations of the well using a Flame Ionization Detector (FID) & Surface Logging Information Collector (SLIC) chromatograph and portray data on logs.
- Attended rig meetings and generated daily Job Safety Analysis report to ensure a zero-accident environment.

#### GIS Intern – Town Planning Office, City of Salem, Salem, MA

Oct'15-May'16

- Assist the head investigator in conducting the town survey & find retail space for business using site selection method & prepared spatial database & maps for town planning office.
- Using online web mapping technology created [story map](#) for Art box locations In Salem.

#### Junior Geologist, D H Geo Consultancy, Gujarat, India

Dec'12- Dec'13

- Classify the rocks, soil, vegetation & water samples collected from different locations on basis of its composition.
- Gathered fossil samples and forwarded them to paleontologist for evaluation. Deciphered the nature of the organism & the year when they existed. Remote Sensing based site evaluation & Endangered Species Conservation Plan Performed.
- Prepare maps and images of the location and provide an overview of its relationship with the surrounding areas.

#### Geology Intern, L & T (Larson & Toubro) Ltd, Gujarat, India

Apr'12-Dec'12

- Project 1: Extensive field work in metamorphic belt of Rajasthan, India to better understand tectonics and geology.
- Project 2: Field work in Bhuj, Gujarat, India to study Mesozoic fossils and trace fossils. Field trip to Panandhro Coal Mine in Gujarat, India. Learned various aspects of mining techniques.

### ACADEMIC PROJECTS [\(More Projects\)](#)

#### Ranking New England Cities by Open/Green Space & Social Indicators

Dec'16-Apr'17

- The objective of thesis research is to Rank the top 30 (by population) New England cities based on 2 broad indicators: Open/Green Space Indicator (Walkability Index, NDVI Mean Value & Open Space Percentage) & Social Indicator (Crime Index, Below Poverty Level & Median Household Income)
- After Classifying both indicators calculate further Green & Social Index for Each City.