



## PROFILE

TO WORK IN A FIRM WITH A PROFESSION WORK DRIVEN ENVIRONMENT WHERE I CAN ENHANCE MY KNOWLEDGE AND SKILLS FOR MY BETTERMENT AND FULFILMENT OF ORGANIZATIONAL GOALS. I AM PROFESSIONAL AND HIGHLY MOTIVATED CIVIL ENGINEER AND NOW ASPIRING TO BE A GIS ANALYST. I AM FAST LEARNER AND HAVE ABILITY TO COPE UP WITH DIFFERENT SITUATION AND WORK PRESSURE.

DOB: 18<sup>TH</sup> SEPTEMBER 1995

ADDRESS: 16 SAROVAR AVENUE,  
PUNIT MARG,  
MANINAGAR,  
AHMEDABAD – 380008

## SKILLS

GOOD LEADERSHIP QUALITY  
MULTITASKING  
COMMUNICATION AND GOOD  
TEMPERAMENT  
PROBLEM SOLVING  
ANALYSIS  
INQUISITIVE TO LEARN NEW THINGS




## LANGUAGE KNOWN

ENGLISH ★★★★★  
HINDI ★★★★★  
GUJARATI ★★★★★

# KUSHAL CHANDRAKANT SHAH

CIVIL ENGINEER AND GIS ANALYST

## EDUCATION

	<b>MASTERS OF TECHNOLOGY (GEOMATICS)</b> FACULTY OF TECHNOLOGY CEPT UNIVERSITY, AHMEDABAD	2019 –2021
	<b>BACHELORS IN ENGINEERING (CIVIL)</b> SHANKERSINH VAGHELA BAPU INSTITUTE OF TECHNELOGY, GANDHINAGAR	2013 –2017
	<b>G.S.H.S.E.B (12<sup>TH</sup>)</b> SMT. PBD JOSHI HIGHER SECONDARY SCHOOL, AHMEDABAD	YEAR OF PASSING 2013

## WORK EXPERIENCE

	<b>SITE ENGINEER</b> (HIRISE HOSPITALITY PVT LTD IN “HOTEL PROJECT DOUBLE TREE BY HILTON”)	2017 –2019
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## TECHNICAL PROFICIENCY

### GIS AND REMOTE SENSING

ARCGIS PRO	ENVI
ARCGIS DESKTOP	GOOGLE EARTH ENGINE
ARCGIS ONLINE PACKAGE	SNAP
ERDAS	QGIS

### PROGRAMMING LANGUAGE

PYTHON	JAVA
CSS	HTML

### OTHER SOFTWARE

AUTOCAD	REVIT ARCHITECTURE
MICROSOFT OFFICE SUITE	

## RESEARCH INTERESTS



MY MAJOR FOCUS IN RESEARCH IS TOWARDS BIG DATA, SPATIAL DATA SCIENCE. I WANT TO EXPLORE THE AREAS WHICH INCLUDES DEVELOPING THE APPLICATION OR WORKING ON REAL TIME DATA FOR DASHBOARD PREPARATION WHICH DISPLAYS DIFFERENT LEVEL OF INFORMATION.

## PROFESSIONAL AFFILIATION

IEEE– GRSS STUDENT MEMBER, GUJARAT CHAPTER, INDIA.

MEMBER OF INDIAN SOCIETY FOR TECHNICAL EDUCATION.

## ACADEMIC AND Non ACADEMIC ACCOMPLISHMENTS

3RD WINNER AT INTERSTATE LEVEL IN NASA SPACE APP CHALLENGE 2020. (REPORT)

## RESEARCH PAPER

PUBLISHED PAPER ON TSUNAMI EVACUATION SYSTEM ON COAST OF DIU.

PAPER PUBLISHED IN IJIRST – INTERNATIONAL JOURNAL FOR INNOVATIVE RESEARCH IN SCIENCE & TECHNOLOGY|VOLUME 3 | ISSUE 09 | FEBRUARY 2017

WE HAVE MADE PAPER ON INTRODUCTION OF DIU, AIMS AND OBJECTIVES, PLACES WHICH ARE LIKELY TO GET AFFECTED AT THE TIME OF TSUNAMI.

(PAPER)

## PORTFOLIO

SEM - I

SEM - II

## CONTACT



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Kushal Shah

## NOTABLE ACADEMIC PROJECTS

### SEMESTER 1

“SWACHH BHARAT ABHIYAN FOR VATVA WARD, SOUTH ZONE, AHMEDBAD”, A GIS BASED APPROACH

INVESTIGATING THE USE OF RATIO VEGETATION INDEX (RVI) AND NORMALIZED DIFFERENCE WATER INDEX (NDWI) IN DIU CITY WITH THE HELP OF OPTICAL REMOTE SENSING.

IDENTIFICATION AND SPECTRAL SIGNATURE ANALYSIS OF LAND USE CLASSES IN DIU USING OPTICAL REMOTE SENSING DATA

### SEMESTER 2

GIS FOR GOVERNANCE: TOWN PLANNING AND LAND MANAGEMENT FOR THE SMART CITY OF GANDHINAGAR.

**SPATIAL ANALYSIS TECHNIQUES:** USING GEOSPATIAL ANALYSIS TECHNIQUES FOR DELINEATION OF WATERSHED AND WITH THE HELP OF SITE SUITABILITY LOCATING THE BEST SUITABLE SITE FOR WIND FARM IN DAMAN GANGA RIVER BASIN, MAHARASHTRA.

**SYNTHETIC APERTURE RADAR:** ANALYSING BACKSCATTER RESPONSE AND SCATTERING BEHAVIOUR OF LAND FEATURES USING FREEMAN'S DUDEN DECOMPOSITION, VOLUME SCATTERING INDEX AND SPAN (TOTAL BACK SCATTER POWER/INTENSITY), IN VANCOUVER, CANADA, USING RADARSAT-2.

**HYPERSPECTRAL REMOTE SENSING:** SPECTRAL ANALYSIS OF EO-1 HYPERION DATA FOR SNOW GRAIN SIZE MAPPING IN A PART OF SAICHEN GLACIER.

## TRAINING AND WORKSHOPS ATTENDED

### GIS

- DATA ANALYSIS WITH PYTHON, IBM, COURSEARA ()
- SPATIAL DATA SCIENCE: THE NEW FRONTIER IN ANALYTICS, ESRI (8TH APRIL, 2020)
- 21 DAYS ONLINE QGIS TRAINING PROGRAM USING QGIS, DEPARTMENT OF GEOGRAPHY, SCHOOL OF EARTH SCIENCES, CENTRAL UNIVERSITY OF KARNATAKA, INDIA (13/07/20 TO 02/08/20)
- DO IT YOURSELF GEO APPS, ESRI (23RD AUGUST, 2020)
- MACHINE LEARNING THROUGH GOOGLE COLAB, AMITY UNIVERSITY (12TH JULY, 2020)
- 2020 INTERNATIONAL GEOINFORMATICS ONLINE SUMMER SCHOOL - SOCIAL SENSING, GEOSPATIAL BIG DATA COMPUTING AND DISASTER MANAGEMENT. (24TH AUGUST, 2020 - 2ND SEP 2020)
- GEOSPATIAL APPLICATIONS FOR DISASTER RISK MANAGEMENT, IIRS, ISRO(ONGOING)

### REMOTE SENSING

- GEOSPATIAL INPUTS FOR ENABLING MASTER PLAN FORMULATION, IIRS, ISRO (27/7/2020–31/07/2020)
- DIGITAL IMAGE ANALYSIS, IIRS, ISRO (17/08/2020–08/09/2020)

### OTHER

- SITE ENGINEER, GICEA (4TH JULY– 31ST OCTOBER, 2015)
- PROFESSIONAL AUTODESK AUTOCAD, KHODIYAR CAD CENTER
- AUTODESK REVIT ARCHITECTURE, KHODIYAR CAD CENTER
- CERTIFICATE FOR COMPLETING A PROJECT-BASED TRAINING PROGRAM ON FOUNDATION ANALYSIS.