KUSHAL CHANDRAKANT SHAH

CIVIL ENGINEER AND GIS ANALYST

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: 18TH SEPTEMBER 1995
- ADDRESS: 16 SAROVAR AVENUE, PUNIT MARG, MANINAGAR, AHMEDABAD – 380008

SKILLS

GOOD LEADERSHIP QUALITY

MULTITASKING

COMMUNICATION AND GOOD TEMPERAMENT

PROBLEM SOLVING

ANALYSIS

INQUISIVE TO LEARN NEW THINGS

LANGUAGE KNOWN

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

EDUCATION

MASTERS OF TECHNOLOGY (GEOMATICS)
FACULTY OF TECHNOLOGY
CEPT UNIVERSITY, AHMEDABAD
2019 −2021

BACHELORS IN ENGINEERING (CIVIL)
SHANKERSINH VAGHELA BAPU INSTITUTE OF TECHNELOGY, GANDHINAGAR
2013 −2017

G.S.H.S.E.B (12TH)
SMT. PBD JOSHI HIGHER SECONDARY SCHOOL, AHMEDABAD
2011− 2013

WORK EXPERIENCE

SITE ENGINEER
(HIRISE HOSPITALITY PVT LTD IN "HOTEL PROJECT DOUBLE TREE BY HILTON")
2017 −2019

TECHNICAL PROFICIENCY

GIS AND REMOTE SENSING

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

PROGRAMMING LANGUAGE

| PYTHON | JAVA / CSS |
| OPENLAYERS / SQL | 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.

NOTABLE ACADEMIC PROJECTS

SEMESTER 1

- "SWACHH BHARAT ABHIYAN FOR VATVA WARD, SOUTH ZONE, AHMEDBAD", A GIS BASED APPROACH
- INVESTIGATING THE USE OF RATIO VEGETAION 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 GOVRNANCE:** TOWN PLANNING AND LAND MANAGAMENT FOR THE SMART CITY OF GANDHINAGAR.
- **SPATIAL ANALYSIS TECHNIQUES:** USING GEOSPATIAL ANALYSIS TECHNIQUES FOR DELINATION 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 FREEMANS DURDEN 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.

SEMESTER 3

- **GEOSPATIAL MODELLING AND APPLICATION**: LAND USE LAND COVER CHANGE MODELLING FOR AHMEDABAD CITY AND ESTIMATION OF AMENITIES FOR POPULATION GROWTH.
- TECHNIQUES OF "WEBGIS AND SERVER ARCHITECTURE" AND "APPLICATION OF PHOTOGRAMMETRY".

TRAINING AND WORKSHOPS ATTENDED

GIS

- DATA ANALYSIS WITH PYTHON, IBM, COURSERA
- SPATIAL DATA SCIENCE: THE NEW FRONTIER IN ANALYTICS, ESRI (8TH APRIL,2020)
- 21 DAYS ONLINE QGIS TRAINING PROGRAM USING QGIS, DEPARTNMENT 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

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.