

VINITA MODI

Personal Info

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Date of Birth
4/11/2001

Nationality
Indian

Material Status
Bachelor

Education

- S.S.C(GSEB)(71.50%)

sharda vidhya

mandir2016-2017

- H.S.C(GSEB)(60.28%)

sharda vidhya

mandir2018-2019

- B.S.C(MICROBIOLOGY)

(UNIVERSITY:GUJARAT
UNIVERSITY)

(COLLEGE : GUJARAT ARTS AND
SCIENCECOLLEGE)

CGPA:6.38

About Me

A dedicated and detail-oriented **Environmental Chemist** with expertise in analyzing environmental samples, monitoring pollutants, and ensuring compliance with environmental regulations. Skilled in laboratory techniques, data interpretation, and reporting, with a strong focus on safeguarding environmental and public health. Proven ability to work collaboratively in multidisciplinary teams to design, implement, and improve environmental monitoring programs.

Personal Experience

Gis map analysis (Arcgis)-3 month internship
(december-2023 to April-2024) IGRI-Ahmedabad

- Digitizing features on Google Earth.
- Conducted GIS analysis for urban planning projects, mapping infrastructure and land use patterns.
- Supported environmental impact assessments by generating spatial data layers and conducting site suitability analysis.
- Assisted in natural resource management initiatives by mapping habitat corridors and biodiversity hotspots.

Research Work

TITLE :Evaluating Land Use Changes in Conjunction with Environmental Impact Assessment (EIA) in Bharuch : A Comprehensive Review

introduction

This review explores the relationship between land use changes and Environmental Impact Assessment (EIA) in Bharuch, offering insights for sustainable development

SOFTWARE

ARCGIS

- Data Collection
- Data Preparation
- Map Production

2019-2022

- M.S.C(ENVIRONMENTAL SCIENCE)

GUJARAT UNIVERSITY

DEPARATMENT OF ENVIRONMENTALSCIENCE

CGPA : 7.20

2022-2024

- PDIS COURSE

Mahatama Gandhi Labour Institute

2024-2025

CGPA: 5.75

GOOGLE EARTH

- Digitizing the study area

DESCRIPTION

Between 2012 and 2022, I investigated the changes in land use within Bharuch's study area and their environmental impact. I conducted ground truthing and fieldwork, digitized the study area in Google Earth, and created various maps using ArcGIS. Additionally, I performed change analysis and studied its impact on the environment.

Project Work

ASK Automotive Pvt Ltd - One Month Internship

(Nov.2024 –Dec .2024)

Project Name : Preparation and Application of Safe Operating Procedure (SOP).

DESCRIPTION

Standard Operating Procedures (SOPs) are detailed, written instructions designed to guide individuals through specific tasks or processes within an organization.

- Identify Critical Activities(Machine operation, maintenance, material handling)
- Prepare Step -by-Step procedure.
- Training and onboarding
- Knowledge preservation

Languages

- English
- Hindi
- Gujarati

Skills

- ARCGIS
- ZOTERO
- GOOGLE EARTH PRO
- SAMPLE ANALYSIS
- PROBLEM SOLVING
- LABORATORY DATA
- MS WORD
- MS EXCEL
- MS POWERPOINT

EXPERIENCE

Excel Enviro Tech Pvt. Ltd

ENVIRONMENTAL CHEMIST (May 2024- June 2025)

Analyze the sample in the laboratory for different types of pollution parameters like ph, TS , TDS ,TSS, COD ,BOD,DO, Oil and Grease , Sulphide , fluoride , Sulphate ,alkalinity, Ammonical Nitrogen , Nitrate , Nitrite, iron, Boron,hexavalent chromium, acidity , turbidity, , hardness, chloride , phenolic compound , phosphate .

CERTIFICATE

- TGIS training
- IGRI internship
- Project internship

Interests

- DRAWING
- READING

Analyzed soil ,sludge the ambient air sample collection for the parameter 2.5PM , 10PM , so_x, NO_x..

Microbiology Department

Analyze the sample in laboratory for different types parameters like fecal coliform , Total coliform, Enterococcus, Streptococcus , E.Coli test .

Reported results and maintained laboratory documents and reference logbook on daily Basis.

Face NABL(National Accredited Board for testing and calibration Laboratories) audit as Chemist.

ENVITECH ENGINEERS (JUNE 2025 – NOV 2025)

- Handled online applications for CTE/NOC/CCA through XGN portal – it handled technical scrutiny, fees payment , inspection scheduling and approvals, with SMS and e-box tracking at stages of status update.
- Prepared and Upload compliance reports and returns(air,water,hazardous waste).
- Coordinaed with industries for document submission and approval.
- Ensured timely updates and communication on GPCB portal.
- Prepared visit reply ,queries reply,Form 4,Form V, Monthly patrak etc..

TENNECO

EHS-GET (DEC 2025 – Present)

- Ensured Compliance with Cardinal Rules.
- Handled Contract Safety management (Induction, Permit)
- Managed Permit -to -work System (Contractor permit, Hot work)
- Conducted HIRA.
- Performed Safety Audit (Gemba & LPA), maintained document and prepared action plan.
- Shop floor monitoring, Fire hydrant system & fire extinguisher monitoring.
- Ensured proper use PPE and Safety check sheet.
- Implemented LOTOTO for Machine Safety.
- Conducted Toolbox talks and Safety Training Programs (Gamification).
- PSIF documents sheet update and maintained graph.
- Investigated Incidents, Near misses and Root Cause Analysis.
- Conducted and coordinated Fire mock drills (Wet drill programs) to ensure emergency preparedness
- Maintained Safety documentation and report.

Core Competencies

- Fieldwork and Data collection
- Environmental Assessment
- Problem-solving Abilities
- Research and Analysis Skills
- Risk Assessment.
- Training.

