



Scan for Academic Projects

## **Abhinash Patra**

### **Academic Projects:**

- Resource allocation at CEPT University (in progress).
- Recommendations For Improving the Green Cover.
- Crime Mapping Using GIS: A Case of Ahmedabad.

**Internship Experience:** Indian School of Business - Bharati Institute of Public Policy Department, Bhubaneswar: Sustainable Forest economy in Odisha through women-led enterprises. (2 months, May-July 2023).

**Software Skills:** ESRI Products (ArcGIS Pro, ArcGIS Desktop, StoryMaps, CityEngine, ArcGIS Online), QGIS, SNAP, ENVI, Google Earth Engine, ERDAS Imagine, Python, PostgreSQL, HTML, CSS, JavaScript, R, MS Office, AutoCAD, Photoshop, SketchUp, Lumion.



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## **Ananthu P S**

### **Academic Projects:**

- Operational Carbon footprint identification of CEPT (in progress).
- Assessment of rooftop photovoltaic potential of Rajkot city.
- A study on coastal erosion and shoreline analysis of Trivandrum, Kerala, using GIS.

**Internship Experience:** Caliche Private Limited, Guwahati: Remote Sensing applications for Public Governance (2 months, May-July 2023).

### **Work Experience:**

- Geologist, Ideal Geoservices Pvt Ltd, Navi Mumbai. (Duration: 2 years | 10 months: February 2018-December 2020).
- Engineering Geologist, Shinde Developers Pvt Ltd, Pune. (Duration: 1 year | 6 months: December 2020- June 2022).

**Software Skills:** ESRI Products (ArcGIS Pro, ArcGIS Desktop, ArcGIS Online, CityEngine, StoryMaps), SNAP, ENVI, ERDAS Imagine, QGIS, GeoServer, PostgreSQL, PostGIS, Google Earth Engine, OpenLayers, Agisoft Metashape, Python, HTML, CSS, JavaScript, R, MS Office.



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## Arihanth Jain

### Studio Projects:

- Rooftop solar potential for CEPT University (in progress).
- Improving the transit connectivity of Rajkot smart city.
- Identifying gaps in accessing public infrastructure in Ahmedabad city.

**Internship:** Center for Applied Geomatics (CAG, CRDF), Ahmedabad: Flood vulnerability mapping for Amalner taluka (Duration: 2 Months, May-July 2023).

**Software Skills:** ESRI Products (ArcGIS Pro, ArcGIS Desktop, ArcGIS Online, CityEngine, StoryMaps), SNAP, ENVI, ERDAS Imagine, QGIS, GeoServer, PostgreSQL, PostGIS, Google Earth Engine, OpenLayers, Agisoft Metashape, Python, HTML, CSS, JavaScript, R, MS Office, IBM SPSS.



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## Geetanjali Pandagre

### Academic Projects:

- Indoor Asset accessibility for CEPT University (in progress).
- Living Index of Rajkot City.
- Accident in Ahmedabad.

**Internship Experience:** Sphere Infratech Consultancy, Ahmedabad: Analysis of Accidents and fatal prone stretches on National Highways of India (Duration: 2 Months, May-July 2023).

**Work Experience:** Sales Manager, Care Health Insurance Limited, Bhopal (Duration: 1 year, August 2021 - July 2022).

**Software Skills:** ESRI Products (ArcGIS Pro, ArcGIS Desktop, CityEngine, Storymaps, Arc GIS Online), QGIS, SNAP, ENVI, PostgreSQL & PostGIS, ERDAS Imagine, MapInfo Professional, Google Earth Engine, AutoCAD, R Programming, Python, HTML & CSS, JavaScript, MS Office, IBM SPSS.



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## **Jacob S Parackal**

### **Academic Projects:**

- Development of a Virtual Campus Tour for CEPT University (in progress).
- Assessment of Rooftop Photovoltaic Potential of Rajkot City.
- Enhancing Property Taxation of Ahmedabad Municipal Corporation using GIS.

**Internship Experience:** Kochi Metro Rail Limited (KMRL), Kochi: Phase II Metro Planning (Duration: 2 Months, May-July 2023).

**Work Experience:** Architect, RGB Architecture Studio, Ernakulam (Duration: 2 years, Sept 2020 - Sept 2022).

**Software Skills:** ESRI Products (ArcGIS Pro, ArcMap, CityEngine, StoryMaps), QGIS, SNAP, ENVI, ERDAS, GEE, Agisoft Metashape, Python, HTML, JavaScript, CSS, PostgreSQL, PostGIS, MS Office, AutoCAD, SketchUp, Rhino, Lumion, Adobe Products (Photoshop, Illustrator, InDesign).



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## **Kanmani Kamakshi S**

### **Academic Projects:**

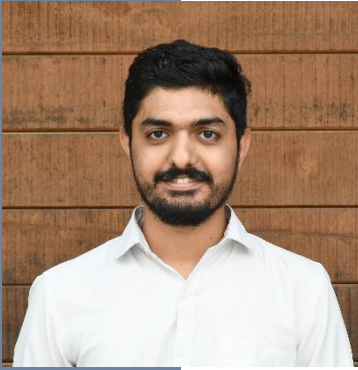
- Assessing WIFI coverage and Furniture management of CEPT University (in progress).
- Identifying locations for disease preparedness.
- Connecting slum dwellers to urban facilities through GIS.

**Internship Experience:** LTI Mindtree, Chennai: Creating 3D city model of Chennai with CityEngine (Duration: 1.5 months, June -July 2023).

### **Work Experience:**

- Junior Architect, Rajakumari, Chennai (Duration: 7 months, September 2021 – March 2022).
- Research Intern, CSRC, REC College - DST India, Chennai (Duration: 3 months, March–May 2021).

**Software Skills:** ESRI Products (ArcGIS Pro, ArcGIS Desktop, CityEngine, ArcGIS Online, StoryMaps), SNAP, ENVI, ERDAS Imagine, QGIS, GeoServer, PostgreSQL, PostGIS, Google Earth Engine, OpenLayers, Agisoft Metashape, Python, HTML, CSS, JavaScript, R, MS Office, Revit, AutoCAD, SketchUp, Rhino, Lumion, Adobe Products (Photoshop, InDesign).



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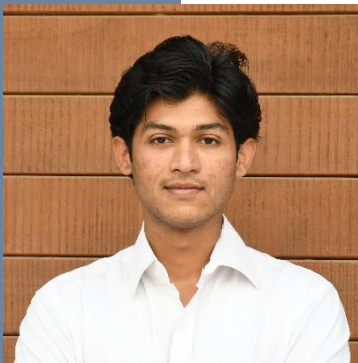
## **Krutik Pastagiya**

### **Academic Projects:**

- Suggestions for Improving outdoor illumination & assets for CEPT University (in progress).
- Recommendations for Improving Green Cover.
- Pollution level in Tapi River and its impact on citizen's health during flooding.

**Internship:** IIT - Bombay: Comparison of conventional and SAR polarimetric decomposition method for ship detection using Dual & Quad PolSAR data (Duration: 2 months, May-July 2023).

**Software Skills:** ESRI Products (ArcGIS Pro, ArcGIS Desktop, CityEngine, StoryMaps, ArcGIS Online), SNAP, ENVI, ERDAS Imagine, QGIS, PostgreSQL, PostGIS, Google Earth Engine, Agisoft Metashape, Python, HTML, CSS, JavaScript, R, MS Office, AutoCAD, Photoshop, Corel Draw.



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## **Nikhil Srivastava**

### **Academic Projects:**

- Identifying the gap areas in security surveillance at CEPT University (in progress).
- Identifying locations for disease preparedness.
- Drought Analysis: A Case of Ahmedabad District.

**Internship:** NeoGeoInfo Technologies Pvt Ltd, Gurugram: Finding gap areas in Health services and Infrastructure (Duration: 2 months, May-July 2023).

**Software Skills:** ESRI Products (ArcGIS Pro, ArcGIS Desktop, StoryMaps, CityEngine, ArcGIS Online), QGIS, SNAP, ENVI, Google Earth Engine, ERDAS Imagine, Python, HTML, CSS, JavaScript, MS Office, Autodesk (AutoCAD, 3Ds Max).



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## Prajval Patel

### Academic Projects:

- Indoor Security Management and Facility Recommendations for CEPT University (in progress).
- Boosting the local economy of Rajkot.
- Factors contributing to urban air quality degradation.

**Internship Experience:** GISE Hub, IIT-Bombay: Serving data through OGC APIs, GeoServer and PostGIS servers (Duration: 2 months, May-July 2023).

**Software Skills:** ESRI Products (ArcGIS Pro, ArcGIS Desktop, CityEngine, ArcGIS Online, Story Maps), SNAP, ENVI, ERDAS Imagine, QGIS, GeoServer, PostgreSQL, PostGIS, Google Earth Engine, OpenLayers, Agisoft Photoscan, Python, HTML, JavaScript, CSS, R, C++, MS Office, AutoCAD.



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## Prajwal Parmar

### Academic Projects:

- Analyzing surface temperature variation across CEPT University Campus (in progress).
- Improving Stormwater infrastructure using GIS.
- Geospatial analysis of urban growth in Ahmedabad city.

**Internship Experience:** CUPP-CRDF, Ahmedabad: A study on Land Value and Density Distribution within Chennai Metropolitan Area (Duration: 2 Months, May-July 2023).

**Software Skills:** ESRI Products (ArcGIS Pro, ArcGIS Desktop, ArcGIS Online, CityEngine, StoryMaps), SNAP, ENVI, ERDAS Imagine, QGIS, SAGA GIS, GeoServer, PostgreSQL, PostGIS, Google Earth Engine, OpenLayers, Agisoft Metashape, Python, HTML, CSS JavaScript, R, MS Office.



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## Preksha Patwa

### Academic Projects:

- Reimagining community spaces in CEPT University (in progress).
- Improving Stormwater infrastructure using GIS.
- `Changing urban Climate within city due to urban heat island: A case of Ahmedabad.

**Internship:** BhugolGIS, Mumbai: Formulating Courses for E-tutor on various topics like BIM integration with GIS, LIDAR and drone base survey technique, Digital Twin and Web GIS (Duration: 2 months, May-July 2023).

**Software Skills:** ESRI Products (ArcGIS Pro, ArcGIS Desktop, ArcGIS Online, CityEngine, StoryMaps), SNAP, ENVI, ERDAS Imagine, QGIS, SAGA GIS, GeoServer, PostgreSQL, PostGIS, Google Earth Engine, OpenLayers, Agisoft Metashape, Python, HTML, CSS JavaScript, R, MS Office, AutoCAD.



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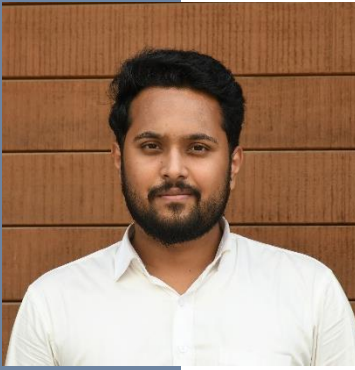
## Raj Deepankar

### Academic Projects:

- Assessing Indoor Humidity for CEPT University (in progress).
- Living Index of Rajkot City.
- Study of Flash Floods: A case study of Ahmedabad.

**Internship:** Indian School of Business- Bharati Institute of Public Policy, Hyderabad: Village Demarcation in the state of Orissa for Mission Shakti (Duration: 2 months, May-July 2023).

**Software Skills:** ESRI Products (ArcGIS Pro, ArcGIS Desktop, CityEngine), QGIS, Google Earth Engine, SNAP, ERDAS Imagine, AutoCAD, ENVI, Python, HTML, R, MS Office



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## Sayed Aamir Hussain

### Academic Projects:

- Emergency Response and Evacuation Planning for CEPT University (in Progress).
- Boosting the Local Economy of Rajkot.
- Geospatial Analysis of Conversion of Green Cover into Other Land Uses.

**Internship:** Center for Applied Geomatics (CAG, CRDF), Ahmedabad: Developing a web application for identifying correlations between innovations of rural India with socio-economic factors (Duration: 2 Months May-July 2023).

**Work Experience:** Executive Engineer, Archi Civilion, Udaipur (Duration: 1 year | 2 months, January 2021 - March 2022).

**Software Skills:** ESRI Products (ArcGIS Pro, ArcGIS Desktop, ArcGIS Online, CityEngine, StoryMaps), SNAP, ENVI, ERDAS Imagine, QGIS, GeoServer, PostgreSQL, PostGIS, Google Earth Engine, OpenLayers, Agisoft Metashape, Python, HTML, CSS JavaScript, R, C++, MS Office, Autodesk Products (Revit, AutoCAD, 3ds Max), STAAD Pro.



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## Sourabh Ahuja

### Academic Projects:

- View Coverage Analysis by GIS/BIM Integration (in progress).
- Improving First/Last mile connectivity (Rajkot).
- Land Crunch in Metropolitan Cities (Ahmedabad).

**Internship Experience:** World Wide Fund for Nature-India (Delhi): Geospatial Analysis (Multiple Locations across India) (Duration: 2 months, May-July 2023).

**Work Experience:** Civil Supervisor, Tata Projects, Delhi (Duration: 10 Months, Sept 2020 - June 2021).

**Software Skills:** ESRI Products (ArcGIS Pro, ArcGIS Desktop, CityEngine, ArcGIS Online, StoryMaps), SNAP, ENVI, ERDAS Imagine, QGIS, GeoServer, PostgreSQL, PostGIS, Google Earth Engine, OpenLayers, Agisoft Metashape, Python, HTML, JavaScript, CSS, R, MS Office, Autodesk Products (AutoCAD, 3ds Max, Revit), Adobe Products (Photoshop, Illustrator, InDesign, Creative Cloud), SketchUp, Lumion, Enscape, V-Ray, Climate Consultant, Dynamic Daylighting.



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## Tharun R

### Academic Projects:

- Timetable management of CEPT University using 3D GIS (in progress).
- Recommendations for Improving Green Cover.
- Temporal Analysis of Forest Cover of Gir Sanctuary.

**Software Skills:** ESRI Products (ArcGIS Pro, ArcGIS Online, CityEngine, StoryMaps), SNAP, ENVI, ERDAS Imagine, QGIS, GeoServer, PostgreSQL, PostGIS, Google Earth Engine, OpenLayers, Agisoft Metashape, Python, HTML CSS, JavaScript, MS Office, AutoCAD.



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## Unnat Parande

### Academic Projects:

- Indoor Air Quality Assessment for CEPT University (in progress).
- Boosting the Local Economy of Rajkot.
- Modal Interactions in a Multi Modal Transit System.

**Internship Experience:** Centre for Environment and Social Concerns (CESC), Ahmedabad: Observing the Spatio-temporal changes in Trees Outside Forest in the Rupen River Basin (Duration: 2 months, May 2023 - July 2023).

**Software Skills:** ESRI Products (Arc GIS Pro, ArcGIS Desktop, CityEngine, ArcGIS Online, StoryMaps), SNAP, ENVI, ERDAS Imagine, QGIS, GeoServer, PostgreSQL, PostGIS, Google Earth Engine, Agisoft Metashape, Python, HTML CSS, JavaScript, R, MS Office, AutoCAD, Adobe Premier Pro.





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## **Vasudha Singh**

### **Academic Projects:**

- Enhancing accessibility of individuals with Mobility Impairment (in progress).
- Improving Stormwater infrastructure using GIS.
- GIS - Based analysis of Dengue Outbreak in Ahmedabad.

**Internship:** World Wide Fund for Nature-India, IGCMC (Delhi): Bridging Earth Observation and Landscape Conservation: A Geospatial Study of Three Vital Indian Landscapes (Duration: 2 months, May 2023 - July 2023).

### **Work Experience:**

- Online Tutor, Focus Edumatics Pvt. Ltd, Coimbatore (Duration: 8 Months, February 2022 – September 2022).
- Lecturer, Allen House Institute of Technology, Kanpur, Uttar Pradesh (Duration: 6 Months, April 2021 – September 2021).

**Software Skills:** ESRI Products (ArcGIS Pro, ArcGIS Desktop, ArcGIS Online, CityEngine, StoryMaps), SNAP, ENVI, ERDAS Imagine, QGIS, GeoServer, PostgreSQL, PostGIS, Google Earth Engine, OpenLayers, Agisoft Metashape, Python, HTML, CSS JavaScript, R, MS Office, Autodesk Products (Revit, AutoCAD).