PARTH KUSHTE

Master's Student of Geomatics

CONTACT

Phone: +917083906370
Email: kushteparth@gmail.com
Linkedin: Parth Kushte

Address: C3 – Zone A, Gera River of Joy, Kadamba Plateau, Old Goa – 403402, India
Portfolio: Student Portfolio

EDUCATION

CEPT University - Ahmedabad, Gujarat | 2024-26 (*ongoing*)

Master Of Technology in Geomatics - GPA: 3.3/5.0

- Projects : 1: **Livability Analysis** of Ahmedabad City (**featured as headline in newspaper**). 2: **Prediction for Coral Bleaching**. 3: **Fire Rescue 3D Modelling**
- Misc. Projects: **WebGIS Interface of India's Parliamentary & Assembly Constituencies, Wi-Fi Planning via Geospatial Analysis for Gandhinagar, Kerala Flood Analysis and New York Taxi's AI-ML based demand modelling**.

Don Bosco College of Engineering - Fatorda, Goa | 2018-2023

Bachelor of Engineering in Civil Engineering - Aggregate (%): 63.25%

- Attended national seminars, technical camps, and workshops conducted by institutions including IIT-Bombay, IIT-Madras, DST-NIMAT, ACE, and ACES.

DOMAIN EXPERTISE

Geospatial Modelling and Analysis | 3D GIS & Photogrammetry | Web GIS and Spatial Database Management | Remote Sensing and Environmental Prediction | AI-ML Applications in Spatial Data Science | Urban and Infrastructure Planning Applications | International Collaborative Exposure | Technical Tools and Workflow Automation | Civil Engineering | Environmental Studies

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TECHNICAL SKILLS

Geospatial
- ArcGIS Pro
- QGIS
- ESA Snap
- Google Earth Engine

Database & Server
- PostgreSQL with PostGIS
- Geoserver

Photogrammetry
- ERDAS IMAGINE
- Agisoft Metashape ProfessionaL

Productivity
- MS Project
- MS Excel
- MS Word
- MS Powerpoint
- EndNote

Programming & Web
- Python
- SQL
- HTML
- CSS
- JavaScript

ACADEMIC EXPOSURE

- **Summer School (2025)** — Futureproofing Urban Waters: Learning from Dutch and German Experiences, jointly conducted by **CEPT University (India), TU Delft (Netherlands), and TH Köln / University of Cologne (Germany)** including visits to **The Green Village, MVRDV, ZUS, FABRICations, West 8, IHE Delft, and the Global Center on Adaptation** for insights into European water-sensitive urban design.
- **Winter School (2024)** — Smart, Inclusive and Resilient Cities: Lessons from Bandung, organized by **Institut Teknologi Bandung (ITB), UCLG ASPAC, and the Asian Development Bank** in collaboration with **CEPT University**, focusing on inclusive urban governance and smart-city resilience in the Indonesian context.
- **Transparent Society Fund Management System:** designed a prototype for a real-time housing society fund tracker with role-based access for residents and treasurers, integrating live dashboards, transaction feeds, and approval workflows using HTML, Tailwind CSS, and JavaScript, with planned Firebase and Razorpay integration.

EXPERIENCE

Assistant Engineer | 2023-24
Asha Associates, Sankhali, Goa

- Valuation
- Interior Designing

Engineer Intern | 2021
Mulyankan, Panaji, Goa

- Real estate valuation.
- Administrative and field tasks.
- NDT for structural assessment

PROFESSIONAL AFFILIATIONS

- **Chairperson**, **IEEE GRSS** CEPT University Student Branch
- Member, **Indian Water Works Association** — Youth Forum for Water

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CERTIFICATIONS

- **QGIS – IIT Bombay, June 2020**
- **Smart Cities: Management of Smart Urban Infrastructures - EPFL, Switzerland, Jan 2024**
- **BigQuery GIS for Data Analysts - Google, Nov 2025**

REFERENCES

Dr. Purnanand Savoikar
Dept. of Civil Engineering,
Goa Engineering College
Phone: +91 9422455056 • Email: PSAVOIKAR@GMAIL.COM

Dr. Shiv Mohan
ISRO Scientist
Phone: +91 97121 28524 • Email: shivmohan.isro@gmail.com

LANGUAGES

- Professional: English
- Fluent: Hindi, Kannada
- Native: Marathi, Konkani
- Limited: Tulu, Gujarati