

Sanjay Kumar

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📍 2B-125B, Indhiranagara, Udupi, Karnataka-576101

🔗 Sanjay Portfolio

🔄 Sanjay-bro

🌐 Sanjay Kumar

🎓 Education

2018	SSLC
Udupi	Anantheshwara English Medium School 80%
2020	Pre-University
Udupi	Govt PU College Udupi 58%
2023	Bachelor of Computer Applications
Udupi	Milagres College Kallianpur CGPA: 6.0

🧩 Technical Skills

- HTML
- JavaScript
- Python
- SQL
- Excel
- Global Mapper
- QGIS
- CSS
- TailwindCSS
- Django
- ReactJS
- MicroStation
- TerraSolid

📜 Certificates

- Python FullStack Developer
- ReactJS

👛 Professional Experience

2024 – Present	Junior LiDAR Engineer and QGIS Data Analyst
Udupi	Occult Engineering Technologies
	Project: LiDAR-Based Advanced Feature Classification
	● Role: Project Team Lead & Senior LiDAR Engineer
	● Software Used: TerraSolid Suite (TerraScan, TerraModel), MicroStation, Global Mapper, LASTools
	● Scope of Work / Responsibilities:

- Managed team workflows for a critical European LiDAR data project, ensuring all phases from classification to final deliverable creation met aggressive schedules.

- Conducted advanced classification of complex LiDAR point clouds to identify and separate over 10 distinct feature classes (e.g., powerlines, vegetation, buildings).

- Generated high-fidelity Digital Terrain Models (DTMs) and hillshades used for critical infrastructure planning and environmental analysis.

- **Key Achievements:**

- Led team workflows for a European LiDAR project, overseeing classification through to delivery.

- Managed the processing and delivery of classified LiDAR data for a project area exceeding 5,000 square kilometers.

- Worked in a high-intensity project phase, with the team through a demanding schedule of 14+ hour workdays for over six weeks to ensure project success.

Project: POI (Point of Interest) Mapping and Data Collection

- **Role:** Project Team Lead & GIS Analyst

- **Software Used:** QGIS, Python, JavaScript

- **Scope of Work / Responsibilities:**

- Interpreted high-resolution satellite imagery for precise feature extraction and spatial data validation.

- Developed and maintained standard operating procedures to ensure efficiency and consistency in POI data collection.

- Digitized, coded, and validated geospatial point data, ensuring it met stringent quality and accuracy standards.

- **Key Achievements:**

- Engineered a custom image viewer application as a plugin for QGIS, a tool that was adopted team-wide and significantly improved POI coding efficiency and accuracy.

- Exceeded project targets by 50%, delivering over 10,000+ validated Points of Interest while maintaining a data accuracy rate of over 98%.

Web Tech Projects

2024

Gemini AI Clone

React, Gemini API

- Developed a web application integrating Google's Gemini API to perform advanced sentiment analysis and natural language processing, demonstrating strong API integration

skills.

2024

Weather Forecasting App

React, Tailwind CSS, Bootstrap

● Created a responsive, real-time weather forecasting application that fetches data from a third-party API based on user location, providing accurate and up-to-date weather information.

2024

Portfolio Website

React, Tailwind CSS

● Built a dynamic and visually appealing personal portfolio to showcase projects and skills, emphasizing modern UI/UX principles and responsive design.

2023

Movie Streaming Website

PHP, SQL, Bootstrap, JavaScript

● Developed a full-stack movie streaming site as an academic project, implementing user validation and data insertion with PHP and managing the database with SQL.

Personal Details

Date of Birth: 11-02-2002

Nationality : Indian

Marital Status: Single

Religion: Hindu

Languages

English

Kannada

Tamil

Hindi

Declaration

I hereby declare that all the information provided above is true and accurate to the best of my knowledge, belief, and understanding.