

# Hareesh Patarlapalli

Geospatial Analyst | GIS & Remote Sensing | Civil Engineering

LinkedIn

GitHub

## Projects

### Air Quality Analysis – Delhi

Analyzed NO<sub>2</sub> & PM2.5 using satellite imagery; created hotspot maps in ArcGIS for targeted mitigation. Identified 12+ zones with over 30% increase in NO<sub>2</sub>.

### Urban Water Network Design

Designed GIS-based water distribution using WaterGEMS; optimized pressure loss by 25% and visualized hydraulic parameters in QGIS.

## Experience

- **IISc Research Intern:** GIS in sustainability & materials research
- **The Standard Consultants:** DGPS surveying & CAD-based planning
- **VSR Infra Projects:** Spatial drafting for residential layouts

## Skills & Tools

ArcGIS, QGIS, Google Earth Engine, Python (GeoPandas, Rasterio), WaterGEMS, AutoCAD, DGPS Surveying, Power BI