

## Deepa Venkatachalam

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### Objective

Currently looking for a full-time entry level position or internship in the field GIS

### Education

**Master of Science in Spatial Information Technology**, June 2005, **University of Madras, Chennai, India**

**Bachelor of Science in Geography**, May 2003, **Bharathiar University, Coimbatore, India**

### Summary of experience and skills:

Excellent knowledge in **GIS, Remote Sensing, Urban Planning and Cartography**

Worked as an intern in Indian Space Research Organization (ISRO), Ahmedabad, India

Familiarity with statistical software like **MS-Excel, Word, SPSS**

Strong interpersonal skills and comfortable working in teams

### Technical skills:

1	<b>Statistical Analysis Software</b>	<b>SPSS</b>
2	<b>Microsoft Applications</b>	<b>Word, Power Point, Excel</b>
3	<b>GIS</b>	<b>GIS: ArcGIS 9.1/9.2/9.3 (ArcInfo version; ArcMap, ArcCatalog, and ArcToolbox applications; Spatial Analyst and 3D Analyst), ArcIMS 9 (introductory level), ArcView 3.3, VisualBasic (VBA and ArcObjects), Global Mapper, IDRISI</b>
4	<b>GIS Skills</b>	<b>Coordinate system and datum transformations; data conversion including converting CAD data into GIS formats and vice versa; geodatabase creation; spatial and attribute editing; heads-up digitizing; georeferencing; geocoding; cartographic design and map making; metadata creation and maintenance; spatial analysis including raster calculation and analysis; collection of GPS locations and way finding; conversion of GPS data into GIS format; creation of interactive GIS/Flash web applications.</b>
5	<b>GPS</b>	<b>Trimble's Pathfinder Office, GeoTracker3 and ProXR; ESRI's ArcPad with HP iPaq Pocket PC.</b>

## Work experience:

### JAN - MAY 2005

Company : **ISRO (Indian Space Research Organisation)**, Ahmedabad, Gujarat, India  
Title : Intern  
Project : Human Carrying Capacity.

#### Responsibilities:

- Involved in collecting statistical data (Human population of Gujarat, production & consumption of various crops, climatic condition etc.) from the **Census Board of India**.
- Geographical data (Maps, Satellite Images, GIS software etc.) retrieved from the **ISRO**.
- Explored the statistical software to calculate the variances between the production and consumption of various crops for the city of Ahmedabad in Gujarat state for the year 2005.
- Prepared political maps, land-use maps and climatic maps of the city for the year 2005 using the following software **Arc View 3.2a, ArcGis9, Arc Map, ERDAS Imagine 8.5**.
- Used **MS-Excel and SPSS** software to project the human population, and the crop production and consumption rates up to 25 years.
- Extensively used internet to refer different online journals related to ecosystem and carrying capacity.
- **Actively participated in all stages of this project and completed it successfully.**
- Presented this project to the staff and scientists of ISRO. The project report was then recommended to be used by the city planners of **Department of Planning and Development**.

#### REFERENCES:

Available upon Request