SENTHILNATHAN THYAGARAJAN

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SOFTWARE SKILLSET

- **GIS**: ArcGIS Desktop (9.1/9.2/9.3/10), ArcGIS Server (9.3/10), ArcIMS, QGIS, Map Server, Erdas Imagine, Google Earth, MapInfo ,Alteryx
- **Programming**: Python scripting, ArcObjects VB.NET
- **Data Analysis**: R for Statistical Computing, MS Excel with Data Analysis
- **Web Design**: HTML, CSS, Joomla

EDUCATION

MS in Geospatial Information Science. GPA **3.7/4**   Expected May 2014
University of Texas, Dallas, TX

PGD in Geoinformatics   May 2007
Symbiosis Institute of Geoinformatics, Pune, India

Bachelors of Engineering in Electronics and Instrumentation Engineering. GPA 3.15/4   May 2005
Anna University, Chennai, India

GRADUATE COURSEWORK:

Fall 2012:

- Geospatial Data Analysis Fundamentals
- Computer programming for GIS
- Geovisualization

Spring 2013:

- Spatial Concepts and Organization
- Spatial Analysis and Modeling
- GIS Application Software Development

PROFESSIONAL EXPERIENCE

Senior Developer   Feb 2012 – Aug 2012
High Mark Credit Information Services Ltd   Mumbai, India

- Designed and implemented Pin Proximity mapping workflow using QGIS to improve the accuracy and usability of Indian addresses for the purpose of identity resolution.
- Assisted in setting up and mentored a GIS team for R&D.
- Delivered work order based projects combining underlying bank data with GIS for premier banking clients.

Senior GIS Analyst   June 2010 – Feb 2012
Cybertech Systems and Software Ltd   Mumbai, India

- Provided Technical Support for ESRI Suite of products like ArcGIS Desktop, ArcGIS Server and ArcIMS.
- Experienced with creating GIS resources with ArcGIS Desktop that can be hosted as a GIS Service in ArcGIS Server.
- Involved in troubleshooting, resolving technical issues and implementation of desktop and web based GIS solutions for ESRI's client.
- Researched and recommended software changes to the software engineers.

GIS Specialist   Sept 2008 – April 2010
Environmental Management Centre   Mumbai, India

- Developed a GIS Web Based Project Information Management system for an Infrastructure Development firm.
- Converted CAD data to GIS data, geodatabase creation from spatial and non-spatial data, spatial and attribute editing, digitizing and implement a fully functional ArcGIS Server setup.
- Compiled reports to monitor various parameters and asses the performance of the infrastructure to be delivered to the client.
- Creating maps for a pollution control board for the polluted stretches of a river across a state to devise the environmental status report.
- Designed and maintained the e-learning portals for environmental courses on content management system software's like Moodle and Joomla.

GIS Engineer   Jan 2007 – August 2008
ESRI India Ltd   Mumbai, India

- Imparted training to clients as per requirement for ArcGIS Desktop and ArcGIS Server.
- Provided technical support to the clients and managed the annual maintenance contracts.
- Represented as ArcGIS Server product specialist at ESRI India User conference 2008.
- Implemented a web based GIS application for banking and financial institution using ArcGIS Server.
- Initiated the pilot projects for the Maharashtra pollution control board for preparing the Zoning Atlas.

ACADEMIC PROJECTS

- Mapping Energy Consumption for University of Texas Dallas and representing it using ArcGIS Server and Flex Viewer.
- Developed a tool for ArcGIS Desktop using python to convert all the latitude longitude from the multiple sheets in an excel file to a single point feature class.
- Mapping a campus and the chemical gas emitted in an institution in India.
- Developed an interface using map object to view the campus GIS.
- Examined the data for site suitability analysis for assessment monitors to measure the emissions across the campus.
- Build a 3 D model for the campus using ArcScene along with the floor wise information for all the buildings inside the campus.