

## **Aditya Tadakaluru Curriculum Vitae**

**Name:** Aditya Tadakaluru

**Work Address:** HCCS Southwest College, 9910 Cash Road, Houston, TX 77477

**Office Telephone Number:** 713-718-6776

**College Email Address:** Aditya.Tadakaluru@hccs.edu

### **Education**

- M.S. Computer Science, Western Kentucky University, Bowling Green, Kentucky
- B.Tech. Computer Science & Engg, Jawaharlal Nehru Technological University ,India

### **Teaching Experience**

- Instructor, 2010 – Present  
Houston Community College District  
Courses: Introduction to Raster based GIS, GIS Applications, Data Acquisition and Analysis, Special Topics in GIS

### **Professional, Technical, and Work-related Experience and Skills**

- Neuralog - NeuraDB Development Manager (2011 – present)
- IDEA Integration –Senior GIS Consultant (2006 – 2011)  
Past Clients:
  - ConocoPhillips
  - PetroHawk Energy Corporation
  - SIRIT
  - Harris County Flood Control District
  - IONGEO
  - Waste Management
  - Seneca Oil and Gas
  - Harris County Toll Road Authority
  - Laredo Energy
  - Samson Oil and Gas Limited
  - City of Houston Public Works and Engineering
  - Harris County Public Infrastructure Dept
  - PropertyInfo
  - Microsoft
  - Shell
  - PointSmith
  - HP (Hewlett-Packard)
  - TSDuddley Land Corporation
  - Sanchez Oil and Gas
- Past Employers
  - Spatial Data Integration Inc, Louisville, Kentucky
  - Center for Water Resource Studies (WKU) , Bowling Green , Kentucky

## Professional Certifications

- Certified Geographic Information Systems (GIS) Professional - GISP
- Microsoft Certified IT Professional – Database Administrator 2008
- Microsoft Certified Technology Specialist – SQL Server 2008 Implementation and Maintenance
- Microsoft Certified Professional Developer - ASP.NET Developer 3.5
- Microsoft Certified Technology Specialist - .NET Framework 3.5 ASP.NET Applications
- Microsoft Certified Technology Specialist – Bing Maps Platform, Application Development

## Technical Skills

**GIS Software:** ArcMap, ArcCatalogue, Network Analyst, Spatial Analyst, ArcGIS Image server, Geoprocessing scripts using Python, ARCSDE 10 on Oracle and SQL server on both Linux and windows server environments, ARCSDE, Developing with ArcObjects with ARCGIS engine 10, ARCGIS server 9.3 on .Net ADF and Java ADF, ArcGIS Server 10 ArcGIS JavaScript API, ArcGIS JavaScript Extension for Microsoft Virtual Earth & Google maps, ArcGIS server Flex API, ArcGIS Server Silverlight API, ArcGIS desktop development using ArcGIS desktop SDK, Microsoft Virtual Earth 7 Application Development (Microsoft Certified Specialist)

**Languages and platforms:** C#. Net , VB.NET, VC++.Net, C/C++, Perl, HTML, Python, Java , PHP, ASP, CGI, WinFX SDK, JavaScript, Flex 3.3, Microsoft Silverlight 3.0, Windows Communication Foundation, XML, Microsoft Visual Studio 2005, Microsoft Visual Studio 2008 Team foundation server, Microsoft Visual Studio 2010, DevExpress and Telerik controls

**Java Technologies:** Servlets/JSP, Java Server Faces

**Operating Systems:** Unix/Linux/Solaris, Win9X/XP, Mac OS X, Windows 2003 Server

**Databases:** MySQL, Postgresql, Oracle 10G, SQL Server 2008, SQL 2008 Spatial

**System Administration:** Install and maintain Linux OS based systems and windows 2003 server; including security and automation. Install and maintain Web server (Apache and IIS), DNS (BIND), LDAP (OpenLDAP), 802.11 and radius based 802.1X wireless networks in small to Medium sized networks, working knowledge of Windows Active Directory

**Database Administration:** Oracle 10g Database server – expert level knowledge in Disk space Management, Backup and recovery, user management, performance tuning

## Publications

- Raj Shah, Aditya Tadakaluru, Todd Buehlman , "ArcGIS 9.2 Server Sharepoint 2007 Solution for City of Houston " - Proceedings of the Twenty-Eighth Annual ESRI User Conference, 2008, [http://gis.esri.com/library/userconf/proc08/papers/papers/pap\\_2222.pdf](http://gis.esri.com/library/userconf/proc08/papers/papers/pap_2222.pdf)
- GeoExpert- A Framework for data quality in spatial databases, July 2006
- Aditya Tadakaluru, Karla Andrew, Mostafa Mostafa, Andrew Ernest, "GeoExpert A Framework for Data Quality in Spatial Databases," cimca, pp. 557-561, International Conference on Computational Intelligence for Modelling, Control and Automation and International Conference on Intelligent Agents, Web Technologies and Internet Commerce Vol-2 (CIMCA-IAWTIC'06), 2005.
- Aditya Tadakaluru, Mukesh Rao, Prasad Chowdary, Sophisticated Attendance Registration and Location Identification using RFID Technology, Proceedings of 6th National Convention of Indian Society for Technical Education (ISTE), Hyderabad, India, 2003.
- Aditya Tadakaluru, Mukesh Rao, Prasad Chowdary, Real Time Traffic Control using Mobile Phones, Proceedings of International Conference on Systemics, Cybernetics, Informatics, Hyderabad, India, February 2004.