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Kashyap Maduri

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Education

Ohio State University , Columbus, OH — Fall 2010- Fall 2011
M.S in Geo-Information Systems — GPA: **3.8/4.0**
Birla Institute of Technology and Sciences (BITS) Pilani, India — Aug 2005 – June 2009
B.E (Hons.) in Engineering — GPA(Major): **8.33/ 10.0**

Coursework: Data Structures & Algorithms, Spatial Data Structures, Database Systems, Data Communications & Networking, Digital Mapping Systems, Image Processing, Computational Cartography

Skill Summary

Languages:	Java, C (moderate), Python, Ruby, Visual Basic, MatLab
Tools:	Vim, Git, SVN, Junit, EasyMock, Eclipse, gcc, rake, rspec, Shell Script
Web Technologies:	MySQL, MS Access (models)
	Javascript(beginner), HTML, CSS (view)

Employment

Software Engineer — **Cisco Systems** — May 2012 - Present
Product: *Unified Computing System (UCS) Server Manager*
- Implemented regression results viewer using **Django** MVC Framework
- Developed **python** scripts to test the application that manages multiple UCS test-beds
- Configured the test-beds and tested multiple OSs (Windows, Linux) on the servers
- Used Silk4J **Java** API for GUI Testing

Software Engineer — **Nationwide Insurance (ADC)** — July 2011 – April 2012
Product: *Single Underwriting Desktop Application*
- Developed a testing framework using **Ruby** for Test Driven Development of the application
- Used Ruby libraries like Watir, Active Record, Celerity, cucumber, bundler
- Coached new members on the team in the technologies used
- Maintained the regression suite using tools like Hudson, Rake

GIS Intern — **National Consultancy for Planning and Engg** — Jan 2009 – Jun 2009
Project*: Design of water supply system using GIS (funded by Asian Development Bank)*
- Designed the system using MS Excel for flow calculation based on the elevation data
- Developed a VB macro which helped reduce the project completion time by 20%
- Developed python programs to convert the point data between different formats

Academic Projects

- *Data Visualization of massive LIDAR point cloud using MATLAB*.
  - Used strip adjustment, least square adjustment techniques for error rectification
- *Transit Information System using MapObjects API. VB6, ESRI ArcGIS*
  - Created the map data using ArcGIS and stored it in MS Access database
  - Used ESRI MapObjects API for the front-end functionalities like (zooming, distance calculation etc.)
- *Employee Information System to manage employee data for an organization MySQL, VB6*
  - Created a normalized database schema for storing Employee data
  - Used VB6 for front-end features