

PURVAG G. PATEL

800 E Grand Ave, Apt#17G, Carbondale, IL 62901
(618) 559-5474 · purvag2003@gmail.com · <http://purvag.com>

EDUCATION

Southern Illinois University at Carbondale, Carbondale, IL , USA. Ph.D in Computer Science	Jan. 2010 – Present
Southern Illinois University at Carbondale, Carbondale, IL , USA. M.S. in Computer Science, G.P.A. 4.0/4.0	Aug. 2007 – Dec. 2009
L.D. College Of Engineering, Ahmadabad, India. B.E Computer Engineering, Aggregate 64%	Aug. 2003 - June 2007

WORK EXPERIENCE

Southern Illinois University at Carbondale, Carbondale, IL, USA. IT – GA, School of Social Work <ul style="list-style-type: none">• maintenance and upgrade of department website – <i>socialwork.siu.edu</i>• LAN Admin., Software support, computer hardware troubleshooting, repair, and maintenance	Aug 2009 – Present
Southern Illinois University at Carbondale, Carbondale, IL, USA. Research Assistant – Department of Computer Science <ul style="list-style-type: none">• Researching on using Belief, Desire, Intension (BDI) model to improve believability of bots used in computer games such as Counter-Strike using JAVA for simulation	Jan 2009 – May 2009
Southern Illinois University at Carbondale, Carbondale, IL, USA. Graduate Assistant - Institutional Research & Studies <ul style="list-style-type: none">• development and designing of website: <i>www.iseg.siu.edu</i> using ASP.NET(C#)• job included generating dynamic graphical reports using crystal-reports• build search facility for extracting data from huge iseg Oracle database	Aug 2007 - Dec 2008
Amba Tech., Adalaj, Gandhinagar, India. Programmer trainee <ul style="list-style-type: none">• a comprehensive stand alone system for <i>middle-sized hospital</i> using VB.NET and C#• generic front-end that can work on MS-SQL Server, oracle and MS-Access• generating reports with the help of crystal reports	Jan 2007 - May 2007
Websites Maintained/Developed <ul style="list-style-type: none">• For SIUC ACM Student Chapter - <i>http://www.siu.edu/~acm/</i>• Personal Website - <i>www.purvag.com</i>• For Nautam Vakil & Co. - <i>http://www.nautamvakil.com/about.php</i>	

TECHNICAL PROFICIENCY

Operating Systems:	Dos, Windows 95/ 98, Windows NT/2000/XP, and Linux
Tools/Packages:	Apache Tomcat, IIS 3.0, and Dreamweaver
Web technologies:	ASP, VBScript, JavaScript, HTML, PHP, and ASP.NET
Languages:	Intel 8085/8086 Assembly Language, COBOL, C, C++, J2SE, JEEE, VB, C# and VB.NET
Databases:	MS-Access, Oracle 8i, MS SQL Server, MySql, and Oracle9i F1-training certificate
Hardware Certification for Hardware and Computer Management from ACT-Abad	

PUBLICATIONS

P. Patel (2009). Improving Computer Game Bots' behavior using Q-Learning (Master's Thesis)

P. Patel and H. Hexmoor (2009). Designing BOTs with BDI Agents at The 2009 International Symposium on Collaborative Technologies and Systems.

PROJECTS UNDERTAKEN

MISS (Management information system for promoting & nurturing sports)

- provide an online as well as client management system to aid sport authority of Gujarat to manage their scholarship schemes using Java, JSP, Tomcat-Apache, MYSQL

Revised DOS (Disk Operating System)

- developed a simulation of classic dos environment. In addition to regular text interface it provided an enhanced graphical interface to create a good look and feel using C/C++

Online Merit List Generation

- developed an online system to generate merit list for admission committee. It also provided interface for viewing results using JavaScript, HTML, Tomcat-Apache, MS-Access

Online College Admission

- provided an online management of admission in a commerce college which facilitates various jobs from filling up of the forms to getting final admissions using VBscript, ASP, IIS, MS-Access

Othello vs. computer

- implemented AI to let the user play with computer. It convincingly defeated human players using java

Artificial Chat

- small project was to demonstrate Human Computer Interaction as a demonstration of my Seminar on HCI, It simulated the artificial chat with the user and was designed such that it will learn new words like a baby learns new words using java

Medical Store Management

- developed a M.I.S. for medical store management and provide a user friendly interface for the user using VB and MS-Access

Online results on Mobile

- provides cell phone users to view their results on their cell phones. Given the seat number and class users will be displayed their results using WML, Nokia web browser, IIS, MS-Access

AREAS OF INTEREST

Special interest in use Artificial intelligence in Computer gaming, internet technologies, website development, human Computer interaction programming and GUI development

EXTRACURRICULAR ACTIVITIES

- WEBMASTER, ACM Chapter – SIUC
- certificate from IBM ACADAMIC INITIATIVE (I.N.V.I.T.E)
- first price in a Quiz competition sponsored by IBM, India