

AKSHAYA AMIN

EDUCATION

University of Kansas (KU), Lawrence, KS.
Bachelor of Science in Computer Engineering.
May 2005, GPA: 3.62/4.0.

WORK EXPERIENCE

Project Stay Programmer – Topeka, November 2005 – Present

(www.projectstay.com)

Maintaining and Refining a Data Collection Software used to observe children with challenging behaviors. The Software consists mainly of a *Visual Basic .Net* PDA Program and *ASP* Webpage. The PDA Program allows users to collect discrete and durational behavior data on-site, and upload the data onto a *MS SQL* database. The Webpage runs a graphing utility called *Corda Popchart* that allows users to create charts and analyze their uploaded data.

KU Political Science Department Administrator, July 2004 – May 2005

(www.ku.edu/~kups)

Involved two main duties:

- 1) **Website administrator** - Maintained website and faculty database. The front end webpage was maintained with *TWIKI* (mainly *HTML*). The faculty profile database was maintained using *CGI-Perl* with embedded *SQL* that consisted of faculty vitas, information, links and more.
- 2) **Lab Administrator** – Maintained hardware and software for lab computers running Linux and Windows Operating Systems. This required running regular OS updates along with installing software such as Lyx, R, and Stata. The position also involved moving all the computers off a local Windows server to the KU home domain. The position also required installing and maintaining hardware such as printers, scanners, inserting RAM and more.

PROJECTS

Al's children online store – KU, September, December 2004.

(<http://people.eecs.ku.edu/~cleung/Als/>)

Created a web-based children's shopping store that allowed children to create wish lists for Christmas. Parents could browse for their child's wish list and make purchases. The project involved maintaining databases. The front end webpage was coded using *CGI-Perl* along with *Flash*. The *CGI-Perl* scripts connected to an embedded *SQL* database that contained inventory, records, and purchases.

Take Me There handheld GPS Device – KU, September 2004-May 2005

Designed a car GPS from scratch.

Developed, implemented, gathered and integrated rechargeable power board, microprocessor, LCD display, map data and routing algorithm into one unit.

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Saro Agriculture Equipment Ltd - Lusaka, Zambia, July 2003.

Quotations Project

Performed a detailed study of specific Italian **Landini** Farming Tractors and created Computerized Quotes for them.

COMPUTER SKILLS

Operating Systems: Linux, Knoppix; Windows – 3.x, 95, 98, 2000, XP.

Programming Languages: C, C++, Java, Scheme, Haskell, Perl, Python, ASP, Visual Basic 5.0, HTML, OPS83 and SQL.

Application Software: Microsoft Visual Studio 2003, Macromedia Dreamweaver MX, Microsoft Office, Open Office, Pro-Engineer CAD, and Matlab 6.0.

Hardware Language/Simulation: VHDL, Cadence Pspice and Layout.

HONORS AND ACTIVITIES

KU Unicef webmaster (www.ku.edu/~kuunicef), October 2005 – Present.

KU Unicef member, January 2005 - Present.

KU Global Awareness Program (GAP) recognition, May 2005.

Tau Beta Pi Honors Society Member, initiated November 2004.

Association for Computer Machinery (ACM) Vice President, 2004-2005.

Created and displayed **Lego** and **Sony** Robotics projects for **Engineering Exposition 2004**, February 2004.

LANGUAGES

Fluent in English, Marathi and familiarity with Hindi, French and Nyanja.

REFERENCES

Available upon request.