Amol Vitthalrao Wanjari

Current Address: **Permanent Address:**
Room E-11,   50, Samarth Nagari,
IISc Hostel,   Near H.B. Estate, Sonegaon,
IISc Bangalore   Nagpur – 440025
Ph. No. 91-080-293-2432   Ph. No. 91-0712-2270516

E-mail Address: amol_wanjari@yahoo.com, amol@csa.iisc.ernet.in

Objective: Seeking a full time position in software design, development and support.

Education:

Master of Engineering in Computer Science and Engineering (2002-2004):
Dept. of Computer Science and Automation,
Indian Institute of Science, Bangalore.
Current CPGA: 6.9 out of 8.0

Bachelor of Engineering in Computer Science and Engineering (1999-2002):
Visvesvaraya National Institute of Technology (VNIT, formerly VRCE), Nagpur.
Nagpur University.

Fourth year (2001-2002)	-	86.64%
Third year (2000-2001)	-	82.96%
Second year (1999-2000)	-	84.34%
First year (1999-2000)	-	83.04%

H.S.S.C. (1998):
Shri Shivaji Science College, Congress Nagar, Nagpur.
Maharashtra State Board of Secondary and Higher Secondary Education Nagpur Division
95.50%

S.S.C.(1996):
St. Francis De Sales High School, Sadar, Nagpur
Maharashtra State Board of Secondary and Higher Secondary Education Nagpur Division
86.80%

Publications:
 "Supporting Exploratory Queries over Web Accessible Databases": Amol Wanjari, Abhijit Kadlag, Juliana Friere, Jayant R. Haritsa , International Conference on Database Systems for Advanced Applications 2004.

Projects:
Implementing Indexing Techniques over Data warehouses. (2003) (under progress)

Guide: Prof. Jayant Haritsa   Field: Databases
The objective is to come up with novel indexing technique for faster access to data warehouses. This project is in association with **Yahoo Inc. Bangalore**.

Automated Query Relaxation System (2002-03)
Guide: Prof Jayant Haritsa   Field: Databases
The aim is to come up with automated system which given a user supplied query and expected result size N, will produce a relaxed query that returns atleast N answers.

Implementation of Markov Blanket Bayesian Classifier (2003)
Field: Data Mining
Developed classifier for a very fat drug dataset (around 140,000 attributes) used in KDD Cup 1999.

Implementation of CLIQUE, FP tree and AdaBoost based classifiers (2003)
Field: Data Mining

Implementation of Secure File System on Linux (2003)
Field: Network Security
Developed encrypted file system using loop back NFS.

Implementation of Remote OS detector (2003)
Field: Network Security
Detects the OS and its version on remote machine.

Implementation of Pixie: Code Profiler for Itanium IA64 architecture (2002)
Field: Computer Architecture
 An utility to instrument an ELF executable so that important statistics can be measured.

Implementation of Process Failover System on Linux.(2001-02)
Guide: Prof. S. R. Sathe   Field: Operating Systems
 The objective was to provide fault tolerance to critical processes by saving the process snapshots and restoring the process using the latest snapshot on another machine in case of failure.

 Assembler for Motorola 68000 microprocessor.(2001)
 Field: System Programming
Programmed a single pass Assembler and Linker for Motorola MC68000 microprocessor instruction set. The development was done in C under Linux.

 Airlines Traffic Control & Polynomials implementation.(2001)
 Field: Object Oriented Programming
 Using object-oriented approach to implement airlines traffic control and polynomials class.

Courses:

Database systems, Computer Architecture, Performance Modeling, Design and Analysis of Algorithm, Topics in Database systems, Distributed Computing Systems, Data Mining, Network Security, Network Programming and Internet Technologies, Operating Systems.

Computer Skills:
- *Programming and Scripting Languages*: Pascal, COBOL, C, C++, Perl
- *Operating Systems*: GNU/Linux ,Unix , Windows 9x/2000/NT/XP.

Extra Curricular Activities:
- I was the Class Representative and member of Student
- Council for 2nd and 3rd year B.E. & B.Arch.
- Took active participation in organizing AAROHI youth festival.
- Was a N.C.C No 2(Mah) Air wing cadet (Rank Corporal) and attended Tree plantation, Trekking & Annual Camps.
- Presented Seminar on Quantum Computing.
- Represented school in quiz and essay contests.

Achievements and Honors:
- Stood 1st in BE 1st year Computer Science Summer 1999 Exams.
- Stood 1st in BE 2nd year Computer Science Summer 2000 Exams.
- Stood 2nd in BE 3rd year Computer Science Summer 2001 Exams.
- Stood 8th in order of merit in H.S.S.C. 1998 exams.
- Stood 32nd in order of merit in S.C.C 1996 exams.
- Won 1st prize in Quiz contest conducted by S.P.C.A.
- Won 1st prize in Pre-Designed software Contest in Odyssey 2000 Tech Fest.
- Won 1st prize in IT Quiz contest at AAROHI 2002.