

NITIN MOTGI

OBJECTIVE

To obtain full time job in the areas of Networking, Data Compression and Internet based solutions.

EDUCATION

Jan 2000 – *Expected August 2001.* University of Central Florida
Orlando, FL *MS in Computer Science GPA 3.67/4.0*

SKILL SET

- Programming and Software Skills
C, C++, Visual C++, Java, RMI, Swing Programming, COBOL, Prolog, VHDL, Verilog, Perl, HTML, JScript, VBScript and ASP. ISAPI, OOP Concept, Active X, COM/DCOM, Cadence design tools and various software tools for benchmarking different data compression algorithms.
- Databases
MS SQL 6.5 and PostgreSQL.
- Protocols
TCP/IP, UDP, ICMP, DNS, DHCP, HTTP, FTP, SMTP, POP3 and IMAP
- Hardware
Assembly Language Programming 8085,8086, Microcontroller PIC Programming PIC16C73 (MicroChip).
- Platforms
Linux (RedHat), Unix, Windows 9x and Windows NT.

PROFESSIONAL EXPERIENCE

Aug 2000 – till date	School of Electrical Engineering and Computer Science, Orlando, Florida, <i>Graduate Research Assistant – M5 Research Group.</i>
Jan 2000-July 2000.	Florida Solar Energy Center (FSEC) Cocoa, Florida. <i>Graduate Research Assistant – Special Research Group.</i>
Aug 1998- Nov 1999	Innovative Business Solution (IBS) India Pvt. Ltd., Hubli, India <i>Application Engineer, Technical.</i>
Dec 1997-June 1998	Process Instruments Private Limited, Bangalore, India. <i>Network Administrator.</i>

PROJECTS

- Network Conscious Text Compression System (NCTCSys), funded by NSF in C/C++, Visual C++, FLEX for Unix flavors and Windows 9x OS.
- Load Balancing and Job Migration in Distributed Environment using Java and RMI.
- Remote Data Acquisition, Management and Reporting for Solar Cells using Visual C++, Jscript, VBScript, ASP and HTML.
- Site Management tools in Java, ASP and ISAPI using Visual C++.

PUBLICATIONS

- N. Motgi and A. Mukherjee, "Network Conscious Text Compression System (NCTCSys)", publication in the *Proceedings of International Conference on Information and Theory: Coding and Computing*, IEEE Computer Society, Las Vegas Nevada, 2001.
- N. Motgi and A. Mukherjee, "High Speed Text Data Transmission over Internet using Compression" submitted to *Proceedings of IEEE International Symposium of Information Theory*, Washington, D.C, June 24-29 2001.
- F. Awan, Nan Zhang, N. Motgi and A. Mukherjee, "Data Compression: A key for Digital Archival Storage and Transmission" submitted for *Joint Conference on Digital Libraries (JCDL) sponsored by Association for Computing Machinery (ACM)*.
- F. Awan, Nan Zhang N. Motgi, R. Iqbal and A. Mukherjee, "A New Text Preprocessing Algorithm for Bzip2 and PPM*", poster presentation in the *Proceedings of Data Compression Conference (DCC)*, IEEE Computer Society, Technical Committee on Computer Communications, Snowbird, Utah, March 2001.

RELATED COURSES

Data Structures, Design and Analysis Of Algorithms, Operating Systems, Data Compression, Distributed Operating Systems, Computer Communication Networks Architecture, Communication Networks Design and Distributed Processing, Computer Architecture, Advanced Database System and Design.

PROPOSED THESIS

Network Conscious Text Compression System (NCTCSys) for packet switched networks.

AREAS OF INTEREST

Protocol Design, Network Device drivers, Wireless Communication, Network Application development, ATM wired networks, ATM wireless Networks, Cryptography, Security Systems and Data Compression.

REFERENCES

Upon request