

Gursharan Singh

COE-1/2002, Division of Computer Science and Engg., NSIT, N.D.

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AREAS OF INTEREST

Real Time computing, Mobile Systems and reconfigurable systems.

EDUCATION

[Netaji Subhas Institute of Technology, New Delhi, INDIA](#)

Student, pursuing B.E. in Computer Science and Engineering, % till 5th semester -80%.

1 st sem	76.2 %(32 CR)
2 nd sem	82.3 %(28 CR)
3 rd sem	79.2 %(29 CR)
4 th sem	80 %(32 CR)
5 th sem	79 %(32 CR)

Currently studying in Final Year.

Guru Harkrishan Public School, New Delhi

Passed out AISSCE (C.B.S.E) with PCM of 94% - Physics-96, Chemistry-97 and Maths-89.
School topper.

EXPERIENCE (Industrial)

- Worked as a trainee with [CMC](#) (A Tata enterprise), deployed at HUDCO, Corporate office, India Habitat Center, New Delhi. Used TNG Unicenter for network management and Solaris 8.0 CDE for routing definitions.
- Worked as a student Beta Tester for PC Quest- a well known IT Magazine in Asia.

SKILLS

Computer Programming:

Proficient in C/C++, C#(C- Sharp), Visual Basic 6.0, JAVA(J2ME in particular) ,HTML, MATLAB, BASIC, PSPICE.

Operating Systems:

Microsoft Windows (2000/98/NT/XP), Symbian v 7.0, Microsoft Windows CE 5.0(and subsystems like PocketPC and Windows Mobile).

Other:

- Developed various applications and tested them on Micro controller ATmega128, ATmega8.
- Understanding of Bluetooth, InfraRed stacks and Wireless Network 802.11.

HONORS/AWARDS

- Scholarship holder for first & second year (3rd year application in process) at NSIT.
- Got silver & gold medals consistently from 1996-2001 given to grade toppers.
- General Proficiency Award, by GHPS (2001-02).
- Maharaja Ranjit Singh Award for Academic Excellence (2001).
- Academic Excellence Award from Punjabi Academy, New Delhi.
- Mathematics Olympiad Delhi zone ranker.

PROJECTS:

Bachelors in Engineering:

- **Microsoft Windows Embedded Student Challenge:**

Headed the college team in the competition and worked on building an automated radio system that transmits data extracted from web-services, passes it through an expert system, converts it into speech and transmits it over the FM (frequency modulated wave). The Windows CE custom image was built using WinCE Platform Builder, the expert system as a smart device application in C# and the text to speech application written in native code in eMbedded Visual C++ on MFC 4.0. The applications and the OS image were deployed on eBox, a small hardware reference board emulating a handheld device (size of PDA).

A total of 300 teams from the world participated in the competition and 30 teams were called to Redmond. Out of these 30, we stood 2nd globally.

Duration- 3 months

Guide and Mentor: Dr. M.P.S Bhatia, Asstt. Professor, NSIT.

- Developed a Personal Assistant (Contacts, Events and To Do manager) in J2ME as part of the winter training at NSIT. Used the PIM package.
Guide: Khushil Saini, NSIT.
- Actively involved in Localization programs (Ministry of Information and Technology, India and Centre for Development of Advanced Computing initiative).
- Developed a 8085 2-pass assembler in C++.
- Created an application in C++ (used in integration with TNG Unicenter Connection manager) to check the connectivity status of all zonal locations (24 across India) while working at India Habitat Centre.
Guide: Mr. Vishal Singh, CMC, New Delhi.
- Developed a Finite State Machine for ATmega8 microcontroller during winter training at NSIT.
- Airlines Reservation and Enquiry System on Visual Basic 6.0 with MS Access as backhand.
Duration- 1 month
Guide: Shri Satish Chand, Asstt. Professor, NSIT.