RESUME

Name	**Mehta, Sandeep**
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Date and Place of Birth	26.11.1979 in New Delhi (India)
Marital status	Unmarried, no children
Nationality	Indian

Education

Sept 2003 – present	Pursuing M.S. in Information Technology and Automation Systems at University of Applied Sciences, Esslingen (graduating in Feb 2005).
July 1998 – May 2002	B.Tech. (Electrical Engineering) from Indian Institute of Technology, Delhi. (rated in top-ten engineering colleges in Asia by Asiaweek) C.G.P.A 6.95 / 10
1995 -1997	A.I.S.S.C.E, Class XII (CBSE): 81% (Delhi Public School, New Delhi)
1988 – 1995	A.I.S.S.E, Class X (C.B.S.E Board): 81.4%(DPS, Vidyut Nagar)

Professional experience

Aug 2004 – present GERMANY	**Knorr-Bremse Systeme für Schinenfahrzeuge**, Munich Germany Masterarbeit Theme: Design and Implementation of QADC and Interrupt driver module for Motorola / Freescale MPC565 µC based Brake Control Systems (SIL 3). Further knowledge of TPU, CAN, QSMCM, and LCD control modules.
Dec 2003 - Feb 2004 GERMANY	**Infineon Technologies**, Munich, Germany. Werkstudent in **Formal Verification** at CL DAT TDM VM Formal Verification of a Bus Protocol Interface using properties and invariants from the BPI Specification.
June 2001-Aug 2001 FINLAND	**PROJECT DYNAMAP** (Sponsored by Benefon Ltd, Tikka Communications, Kata Electronics, Arbonaut Ltd), University of Joensuu, Finland. **Summer Researcher:** Automated Java Agent development for web data extraction. Web data analysis for pattern in addresses and other location based information.
June 2002- Aug 2003 INDIA	**Eurus Network Services Pvt Ltd**., New Delhi, India Designation : Systems Associate (VoIP / VoFR Project) Deployment of a SIP based VoIP call control infrastructure (VOCAL). **My Role** : cross-functional, R&D, extensive client interaction C++, Perl on Linux Platform. • Acquire technical expertise in SIP, MGCP and other VoIP Protocol Stacks. • Perl scripting, SIP debugging for interoperating VOCAL and CISCO.

Projects

Mar 2004 – June 2004	**Modelbahn for "Mechatronic Days" messe in FHTE branch at Göppingen** Design and Development of a mechatronic system based on Beck IPC PLC and MicroChip PIC18 Microcontroller.

November 2003	**Image Processing – Hough Transform & Huffman Coding** Details: Course Project to implement Hough Transform and Huffman coding algorithms. (highest grade in the course).
June 2001 – July 2001	**Data Mining for Personal Navigation** **-Pilot Applications for Location Based Information.** Details: Design and implementation of a system, which just takes the location co-ordinates of a mobile device and mines the web to return any other localized information like addresses and telephone numbers of nearest pizzerias etc.
July 2001 – April 2002	**Location Based Information Retrieval Framework** Details: Developing basic operators for Datamining in Location Based Services.
12 weeks - 2001	**Motorola HC08 based programming** Details: Part of the Computer Technology Lab. Used WinIDE32 to program the microcontroller for (1) Morse Code Identification System (2) Waveform generator using OP Amps – square, triangular and sinusoidal waveforms

Additional professional activities

2002	Program Committee (Special Student Volunteer), International Workshop on Data Semantics in Web Information Systems 2002, Singapore.
July 2001 – May 2002	General Secretary, Electrical Engineering Society, IIT Delhi.

Technical Proficiency and Foreign Languages

Languages	**C (excellent) , C++,** Core Java (good), **Assembly(x86 and PowerPC)** ,Perl
Operating Systems	MSDOS, Windows 98/00/XP, Linux.
Protocols	LIN,CAN, SIP, RADIUS, H.323,TCP/IP, all network protocol basics.
Software.	MS Office, Rhapsody-UML,Visio, DB2, Matlab Simulink, Formal Verification using Gateprop(Infineon)
	Education in Sensors, Actuators, Fieldbuses (CAN/LIN/PROFI), Mechatronic Systems ,Telecom, Transmission and Switching, State Space Control Design, Database/Data Mining, Digital Design, Embedded Systems and Microcontrollers, Wireless Telecom(basics), Voice Compression Technologies.
Known Languages	English – excellent written and spoken (official language).
	German – basic written and fluent spoken.
	French – familiarity.
	Hindi – Native

Awards received

1998 – 2002	NTPC Ltd. (a Govt. of India Undertaking) Merit Scholarship for 4 years B.T.
1992 – 1994	Scholar Blazer (3 years continuous distinction) holder at Higher Secondary.
2001	Team Award for Best Play in Intra-IIT Hindi Dramatics Competition.

Extracurricular activities

1991 to 2001	**Organizational Skills** Activity Head, Rendezvous2000 (all-India cultural festival), IIT Delhi. Class Convener (EE), Academic Interaction Council, IIT, Delhi, 2000-2001.
1997,2000,2002,2004	**Healing Breath Workshop**, a week-long stress management program from the Art of Living Foundation (www.artofliving.de).