

# Bhavik Gandhi

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Available : May '13 – Aug '13

## EDUCATION

**Northeastern University, Boston, MA**

Sept '12 - Present

*Masters of Computer Science*

- **Related Courses :** Program Design Paradigm, Fundamentals of Computer Networks
- **Projects:** Dec '12
  - **Socket Programming:** Implemented UDP client/server system for file transfer, using C
  - **Web Crawler:** Designed Crawler to count the number of pages on site using HTTP concepts, in Java
  - **Cheating Bit-torrent Client:** Modified the already existing Bit-torrent client to act selfishly and cheat on network and obtain higher download speed, using Bit-torrent protocol

**Mumbai University, India**

June '12

*Bachelors in Electronics Engineering*

- **Projects:**
  - **Communication Aid for Deaf and Dumb, B.E. Project** Aug '11 - May '12  
Implemented Scale Invariant Feature Transform (SIFT) algorithm in MATLAB for decoding American Sign Language (ASL) and convert it to equivalent text and speech using Image processing
  - **PC based Home automation System** using Microcontroller 8051 May '11  
Designed entire circuit and programmed **Roulette game** and **Digital Clock** using VHDL

**Shri Bhagubhai Mafatlal Polytechnic , India**

June '09

*Diploma in Digital Electronics*

- **Project:**
  - **Hi-tech Farming, Diploma project** Aug '08 - Nov '08  
Designed solar powered automated farming technique with advanced features like wireless tractor, irrigation and pumping system

## COMPUTER KNOWLEDGE

Programming Language	C, Java, VHDL, Assembly, Embedded C
Web Designing	ASP.Net, HTML, DHTML, JavaScript, CSS, Dreamweaver, XML
Operating Systems	Windows, DOS and Basics of Linux
Networking	Configuring Network devices, Setting up LANs, Simulation in CISCO packet tracer etc.
Other applications/Software	Microsoft Visual Studio, Visual Basic, Eclipse, MATLAB, Flash, Photoshop

## INDUSTRIAL EXPERIENCE AND INTERNSHIPS

**Indian Institute of Technology (IIT), Bombay, India**

June '10 – Jul '10

*Project trainee, Aerospace Department*

- Developed and programmed algorithm for Line follower in Embedded C for AVR
- Used ATMEGA 128 AVR microcontroller and applied various features like PWM, LCD interface

**PCS Technology Pvt. Ltd., India**

Dec '08 – May '09

- Diagnosed and troubleshot the problems of various computer parts viz. SMPS, Motherboard, Monitor, CD-ROM and DVD ROM drive, DAT Drives, Scanners, Switches and Hubs etc.

**NCC Telecom Pvt. Ltd., India**

June '07 – Nov '07

*Engineer and site supervisor, Home Automation Department*

- Led a team of 10 people to install Networked Home Automation System (NEHOS) at 5 different sites in Mumbai
- Researched and Programmed NEHOS, to meet client requirements
- Installed and troubleshot Visitor tracking system, which ensures home security

## AWARDS AND OTHER ACTIVITIES

- Received Scholarship for JRD Tata trust for year 2009-10
- An avid enthusiast of Cricket, Snooker and Football (Big fan of Chelsea, European football club)