

# Mayur Mudigonda

A-1 Palmgrove Apartments,  
II Main Road,  
Besant Nagar,  
Chennai – 600 090

URL : <http://www.geocities.com/mupstein/mayur.html>  
Phone: +91-44-24913796/ +919840701559  
E-mail: [mayurm@ieee.org](mailto:mayurm@ieee.org)

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## Objective

To secure an intellectually challenging position in a stimulating environment of Artificial Intelligence, Knowledge Mining and related areas

## Academic Profile

B. Tech Information Technology

(May 2006)

SSN College of Engineering, Kalavakkam-603110, Anna University

Average Percentage: 70.62% up to VI Semester

Rank #2/100

## Skill Set

- C programming (UNIX and Windows Platforms)
- Object Oriented Programming in C++, Visual C++ and Java
- Application Development in Java, Visual C++ and Visual Basic.Net
- Network programming in C and Java (UNIX and Windows platforms)
- Assembly Programming
- Matlab Programming and Using the Neural Net, Simulink and Fuzzy Logic Tool Boxes
- Multimedia Tools – Adobe Suite, Flash MX, Maya 6.0, Sound Forge 8.0

## Project Details

- 'e-Seva' – BSNL (National Telephone Service Provider) (May - July 2003)

Designed and implemented billing module for the 'BSNL- Hyderabad's' 'E-Seva' Program (including database and user interfaces). The aim of the project 'e-Seva' is to provide e-transactions to the citizens of Hyderabad. This particular module for the BSNL, Ltd was to help the payment of telephone bills and other related transactions. The project was implemented using Visual Basic.Net and Oracle 8.0 as the back end

- Expert System For Diagnosing Diseases Based On Symptoms (June-Nov 2004)

The system diagnoses diseases by *pattern matching* the symptoms with those in database. New patterns are added based on statistical methods and concurrence of the doctors. The project was developed using *object-oriented* methodology in Java using MS-Access as the back end

- VISION-Engineering Solutions For The Visually Challenged (Jan-June 2005)

An integrated solution that provides for knowledge enrichment and alleviates some of the difficulties faced by the visually challenged

- Classification using Artificial Neural Networks (June-Nov 2005)

As a part of project, I experimented with the different network models and parameters of Neural Networks useful for classification. The project was implemented using Matlab and Visual C++

- Gesture Recognition using an accelerometer for the 'Simputer' (Dec 2005-)

The project involves recognizing gestures captured by the accelerometer using Neural Networks and Hidden Markovian Models. I am doing this project under the guidance of Dr.V.Vinay, Associate Professor IISc, Bangalore & Chairman Picopeta

- Ecological Information System (Dec 2005 -)

A multi disciplinary project, it involves the design and development of an Ecological-Information System. The system would be used as a tool to store information, predict conditions and also provide suggestions for a particular ecological system

## Academic Achievements

- Presented a paper on '**Knowledge Management Systems for Engineering Plants**' for an intra department contest
- Proposed ideas for patent; **SODS**- Sonar Obstacle Detection System and **ABRAKS**- Attachable Braille Key skin
- The paper titled "Applications of RFID in public transport system to aid the visually impaired" won the Second Place at the All India Student Congress –2005. The same has been accepted for the INDICON-05 Conference, to be held at IIT Madras this December and will be published in the proceedings of the conference

## Awards and Honors

- Project VISION selected as one of the top 10 projects from the 210 designs submitted world over at the **IEEE CSIDC 2005 world finals**
- Presented VISION at **Washington D.C.** and won 'Honorary Mention Award'
- Won the prestigious *Shiv Nadar President's award*, for academic achievements
- My work was recognized and appreciated by Mr Shiv Nadar- Chairman, HCL Group

## Co-Curricular Activities & Hobbies

- **Chief Executive** for the Chennai Operations of 'People First', an organization which conducts workshops on Resource Management, Leadership and Team Building
- **Student Secretary** for the Association of Information Technologists (**AIT**), **SSN**. Responsibilities include hosting the annual national level symposium, interacting with industry professionals, organizing seminars, etc
- Western Classical Guitar Player- Grade III, Trinity College of Music, London,
- Composing Music- Classical and Fusion
- Penning my thoughts through abstract literature and short stories
- Active Member of "Save the Olive Ridley Turtle" Group

## Society Memberships

Student Member: IEEE, IEEE – Computer Society

## References

1. Dr C. Aravindan,  
Head, Department of Computer Science,  
SSNCE-Kalavakam  
Contact: +91-44-2475063  
Email: [arvind@ssnce.ac.in](mailto:arvind@ssnce.ac.in)
2. Dr. Shashikant V Albal  
Director, Carnegie Mellon University & SSN  
SSN School of Advanced Software Engg.  
Contact: +91-44-2475064  
Email: [svalbal@ssnsase.ac.in](mailto:svalbal@ssnsase.ac.in)