
V.V.Harish Baba

Objective:

To strive to achieve, to augment my knowledge and ameliorate upon my technical skills. For this purpose I would set my mind to the realization of the firm's goals and enhance my industrial experience .In that way I aim to make a significant contribution to the firm, the field and towards a better society.

Education:

Degree	College	Percentage
B.Tech(ECE) with Honors in Communications and Signal Processing (Ongoing)	IIIT, Hyderabad (by the end of 5thSemester)	CGPA 8.58/10
Senior Secondary	Gowtham Junior College , Hyderabad	96.7
Secondary	Niraj Public School ,Hyderabad (ICSE syllabus)	89.5

Skill set

Project-related Concepts	IC Functionalities and Config. , Electric Circuit Analysis, Signal Analysis and Processing, Basic Analog and Digital Communication Concepts.
Implementation Issues	Vector Board Implementation of Prototypes , Hardware Trouble-shooting
Hardware Description Languages	VHDL, Verilog
Internet	HTML,PHP (Basics)
Simulation tools	MATLAB, SCILAB, PSpice, Multisim, Commsim.
Software Tools	Latex, Gimp, Microsoft Office
Programming Languages	C, C++ , Shell programming(bash)
Operating Systems	DOS , Windows 9x/NT/2000/ME/XP,Linux

Areas of Interest:

Image/Signal processing and related analysis
VLSI Implementation of Digital Circuits
Wireless Communications
Building cost-effective simple electronic circuits for Domestic Applications

Projects:

Name: **CNP Segmentation**

Designation: B.Tech Project (equivalent to Final Year Project)

Field: Image Processing

Duration: 2 Semesters

Team Members: 2

Details : Detection (from FFA scanned images, particularly those with high noise content) of Capillary Non-Perfusions (CNP) ,a medical aberrations which are an onset of Diabetes. Substantial amount of Noise Modeling involved.

Status: Ongoing

Name: **Soft Decision Decoding Of Punctured Convolution Codes with Interleaving**

Designation: Honors Project

Field: Communications

Duration: 1 semester

Team Members: 2

Details: Comparison of soft and hard decoding schemes. Introducing Puncturing and then Interleaving and analyzing the performance of the communication system in terms of BER and rate with and without these schemes .Also thorough analysis, comparison and reasoning of two given IEEE papers presenting two different soft-decision schemes

Status: Completed.

Name: **Parking Aid**

Designation: Course Project

Field: Electronics

Duration: Half Semester

Team Members: 2

Details: Building a cost effective device (can be put at the car's rear as a small sealed up package) for car-parking assistance in a garage. Uses IR sensors which determine how close the car is to a wall and hence, make an optical indication.

Status: Completed

Name: **Adaptive Echo Cancellation using Affine Projection Algorithm**

Designation: Course Project

Field : Signal Processing

Duration: 1 Semester

Team Members: 4

Details: Development of an acoustic-echo cancellation scheme for a far-end signal. Also interlacing the system with a self-designed double talk detector. All this simulated in MATLAB

Status: Completed.

Name: **Multi Package Fire Alarm**

Designation: Voluntary Project

Field: Electronics

Duration: 1 Semester

Team Members: 3

Details: It comprises of 2 sensory systems for detecting high temperature and high thermal radiations and an initiation (in case of fire) of a buzzer for warning and a water-gauge system .to extinguish the fire

Status: Completed.

Work Experience:

Teaching Assistant for Signals and Systems (Monsoon 2005)
Teaching Assistant for Digital Signal Processing (Spring 2006)

Academic Achievements:

- Recipient of Pratibha Scholarship from Govt. of AP for excellence in AIEEE .
- IIIT-H Dean's List for the year 2004-05
- IIIT-H Dean's List for the year 2003-04
- Secured 108 Rank in EAMCET (2003)
- Secured 247 Rank in AIEEE (2003)
- Recipient of "Late Mr.NRK.Moorthy Memorial Gold Medal" for overall outstanding performance in ICSE Board Examinations 2000-01.
- Recipient of Silver Medal for Topper in Science in ICSE Board Examinations 2000-01.

Miscellaneous:

- Excellent communication and presentation skills.
- Recipient of "Most Promising Athlete" award in IIIT Sports Meet 2005.

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- Black Belt in Okinawa style of Karate.
 - Part of Felicity-2006's organization team.
 - Elected Batch-Sports-Committee member for the year 2003-04.
 - Won prizes in various IIIT Inter-house competitions like Cricket, Track, and Elocution.