Anush Krishna Moorthy

CONTACT
INFORMATION

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CITIZENSHIP

India. Presently on an F-1(Student) Visa (Validity through 2012).

RESEARCH
INTERESTS

Image/Video quality assessment, Image/Video coding and compression, Object/Image recognition & Speech Processing.

EDUCATION

The University of Texas at Austin, Austin, Texas, USA

M.S., Electrical and Computer Engineering (expected graduation date: June 2009)
- Advisor: Dr. Al Bovik.
- Area of Study: Image and Video Processing.
- GPA: 4.0

University of Pune, Pune, Maharashtra, India

B.S.(B.E.), Electronics and Telecommunication Engineering, June 2007
- *Silver Medalist,* First Class with Distinction.
- GPA: 78.26/100 (Equivalent to a 4.0)

ACADEMIC AC-
COMPLISHMENTS

Undergraduate Achievements

- Ranked SECOND (out of 1798 candidates) in the University in the Final Year of Engineering.

- Ranked FIRST (out of 2765 candidates) and THIRD (out of 1983 candidates) in the University in the Second and Third years of Engineering, respectively.

- Ranked FOURTEENTH in the merit list in the Higher Secondary Certificate (HSC) examination in the Mumbai Division.

- Recipient of the prestigious TATA scholarship worth USD 10,000 for higher education abroad.

ACADEMIC
EXPERIENCE

The University of Texas at Austin, Austin, Texas, USA

Graduate Research Assistant   **January 2008 to present**

Grader   **August 2007 to December 2007**
- Grader for the Introduction to Programming course at The University of Texas at Austin.
- Responsibilities included evaluation of assignments and exams consisting of codes in C and C++.

ESEO, Angers, France

Internship   **January 2007 to March 2007**
- Worked on part of a project titled 'Non-Destructive Component Testing using acoustic methods'.

PROJECTS	*Final Year Engineering*

- Executed a 25 word Speech to Text system, using an Artificial Neural Network for recognition. Created the Backpropagation and FFT algorithms, as well as the entire recognizing code in C. The GUI was created in VB and the recording section in Visual C++ 6.0.

- Worked in Ecole Superieur D'Electronique de L'Ouest (ESEO), Angers, France, on part of their project titled,'Non-destructive component testing using Acoustic Methods'. Worked mainly on the Wiener filter and inverse system modeling for fault location, in MATLAB 7.0.

Third Year Engineering

- A two-word recognition system with the use of Cepstral coefficients was created using MATLAB 7.0 in the 3rd year. The voice recognition system was used to control a stepper motor through the Parallel port.

PROGRAMMING SKILLS	Proficient in the languages of C, VC++, VB, MATLAB, VHDL as well as simulators like Pspice, Multisim and assembly language programming for the 8051, 8086, 80286 and ARM processors. Word processors include Microsoft Word, Microsoft PowerPoint and LaTeX.

RELEVANT COURSES	*The University of Texas at Austin*

Digital Signal Processing	Digital Image and Video Processing
Probability and Stochastic Processes	Real Analysis
Information Theory	

University of Pune

Digital Signal Processing	Digital Image Processing
Artificial Neural Networks	Signals and Systems
Control Theory	Computer Networks
Information Theory and Coding techniques	

LANGUAGES	Proficient with English, Hindi, Marathi, Tamil and French. Capable of understanding Malayalam & Gujarathi as well.

OTHER INTERESTS	A music aficionado and a voracious reader. Interested in Religion and development of cultures over time. Indulge heavily in fiction & fantasy-fiction. Author stories, poems, plays and novels and compose music.

FUTURE	Focus on the area of Digital signal processing to acquire MS level competence followed by a doctorate in the same area. Carry out research in the area of DSP and create patents that have commercial applications that can revolutionize the technological arena.

REFERENCES	Available upon request.

Last Updated on: 17th *January 2007.*