

HARISH DODDALA
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EDUCATION

Massachusetts Institute of Technology, Cambridge, MA

MS in Engineering and Management, *Sloan School of Management and School of Engineering* 2013

- Consulting Project with EMC IT to develop an Ideation and Innovation framework
- Consulting Project with Thunderwake, an MIT incubated startup
- Research Assistant, **MIT Center for Digital Business (CDB)**
- Research Assistant, **MIT Lean Advancement Initiative (LAI)**

International Institute of Information Technology (IIIT), Bangalore, India

M.Tech, Information Technology 2006

Visvesvaraya Technological University, Bangalore, India

B.E, Electronics and Communication 2003

EXPERIENCE

IBM Research, Bangalore, India

January 2010 – December 2011

Technical Staff Member, Human Language Technologies

- Co-led development efforts to design and build automatic learning tools using advanced voice technologies to improve literacy skills of children: Product available in 700 schools and organizations in 22 countries.
- Collaborated with global teams across Europe and United States to accelerate and coach completion of voice modules of ReadingCompanion.org project, a \$75 million IBM flagship program to re-invent education.
- Developed real-time speech analytics solutions to assist and monitor agents during customer service interactions, improving compliance monitoring, agent productivity and overall customer experience.
- Researched techniques to speed up speech transcription and call summarization to enable cross-sell/upsell, thereby unlocking business intelligence from call data for large automotive manufacturer.
- Published 8 international conference papers in text, speech and image technologies at IEEE conferences; identified 3 patents in core technologies, currently under review.
- Invited to co-author a book titled “Ultra Low-Bit Rate Speech Coding” to be published in 2013 by Springer.
- Led team of researchers across 3 labs worldwide to propose “Smart Education” as a global technology outlook topic; topic selected for evaluation and assessment by global lab director and CEO.

Siemens Corporate Research and Development, Bangalore, India

Research Engineer, SMART Innovation

December 2005 – September 2009

- Conceptualized development of advanced real-time Speech Coding systems; investigated 8 systems to propose novel optimal design, managed design, development and deployment of system.
- Delegated tasks to team of 5 research engineers and interns guiding and training them through prototype development; presented prototype and underlying techniques at IEEE conferences and workshops worldwide.
- Participated and shaped Siemens' future-forecast "Pictures of the Future" in Convergent Communications, highlighting state-of-the-art and emerging communications systems and policies in India.

ADDITIONAL INFORMATION

- Experience in Predictive Analytics, Data Visualization, Machine Learning and Statistical Techniques as applied to areas related to Business Intelligence, Speech and Text Processing.
- Computer Skills: LINUX, Windows; Python, Shell; MATLAB, C, C++, WEKA
- Awarded Post-Graduate Diploma in Intellectual Property Rights Law at the National Law School India University, Bangalore, 2006. Project dissertation judged “Outstanding”
- Awarded best project for project titled, “Direct Digital Synthesizer” at Electronics and Radar Development Establishment, (Ministry of Defense, India) October, 2005
- Languages: English (Fluent), German (Basic)