

# Sushanta K. Pani

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email: [sushanta\\_satya21@yahoo.com](mailto:sushanta_satya21@yahoo.com)

Contact No: 8898504545

Four years of experience in Language and Speech Technology and Software development.

## Skill Set:

Domain :	Speech and Language computing
Languages:	C, Java, Python, Android.
OS Platform:	Linux (Ubuntu 12.10 onwards), Windows, Android (2.2 onwards).
Tools :	Festival, Festival-lite(Flite), Flite-HTS, HTK Tool,
wavesurfer	tool, Audacity, Kaldi.
Interest:	Language and Speech Technology.

## Academic Profile:

- FPGDST (2010-11) from CDAC Bangalore.
- Bachelor's degree: B-TECH in Information technology (2006-10) from College of Engineering, Bhubaneswar under Biju Pattnaik University of technology, Odisha with 7.65 CGPA out of 10.0 .

## Experience

### 1. CDAC (Since May 2012 )

#### PROJECT#1:

Project Name:	Text to speech synthesis for Indian languages.
Duration:	Since May 2012 .
Client:	DeitY (Department of Electronics and Information Technology)
Environment:	Festival framework and HTS frame work.
Description:	This project aims at developing text-to-speech synthesis systems for 12 Indian languages headed by IIT Madras.

#### MODULE#1:

Name:	Development of Unit Selection Speech synthesis system for Odia.
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#### Responsibilities:

- Corpus selection, collection and cleaning.
- Automated and manual labeling of speech data.
- Parser for Odia language.
- Build Odia USS voice.

#### MODULE#2:

Name:	Development of Hidden Markov's model based speech synthesis system for Odia.
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#### Responsibilities:

- Corpus selection, collection and cleaning.
- Automated and manual labeling of speech data.
- Parser for Odia language.
- Build Odia HTS voice.

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## MODULE#3:

Name: Indian language TTS engine Porting to Android  
Responsibilities: Port TTS engine to android.

## MODULE#4:

Name: Development of Android application that uses our Text to speech synthesis system.  
Responsibilities: Developement of mobile applications.

## PROJECT#2:

Project Name: Citizen Contact Centre (CCC)  
Duration: Since July 2015 .  
Client: DeitY (Department of Electronics and Information Technology)  
Environment:  
Description: The objective of this project is to deliver non-emergency (Informational and Transactional) Government to Citizen Services over the phone with the help of a single unique number across the country.

## MODULE#1:

Name: Development of Automatic Speech recognition system for Hindi.  
Responsibilities:

- Speech Corpus selection and collection.
- Manual transcription speech data.
- Build ASR system

## 2. Keshima Technology Pvt. Ltd. (August 2011 to May 2012)

### PROJECT#1:

Project Name: Senior citizen emergency service.  
Software: Android.  
Description: This project aims to develop application which is useful for senior citizen at risk. It detects fall of a person due to accident and contacts the emegency service, relative via sms and call.  
Responsibility: Application Development.

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## Publication

- Coauthor : “Understanding the Challenges in Mobile Computation Offloading to Cloud through Experimentation” ( Accepted as poster for MOBILESoft'15).
- Coauthor : Kumar, P. et al. “Seamless Integration of Common Framework Indian Language TTSES in various applications” Oriental COCOSDA held jointly with 2013 Conference on Asian Spoken Language Research and Evaluation (OCOCOSDA/CASLRE), 2013 International Conference DOI: 10.1109/ICSODA.2013.6709873.

## Awards and Achivement

- “Rajbhasha samman” 2013-14 awarded by Town Official Language Implementation Committee (TOLIC) north Mumbai office for Sandesh Pathak android application.
- Sandesh Pathak was shortlisted in the TOP35 innovations 2014-15 by the CNN-IBN editorial team.

I hereby declare that the information stated in my CV above is true to the best of my knowledge.

Sushanta K. Pani