

**AMRITHA.**

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**PROFESSIONAL SUMMARY**

Certified and licensed Audiologist with 3 years of work experience with extensive exposure in diagnostic Audiology. Competent knowledge in subjective, physiological and electrophysiological assessment in diagnosis of various auditory disorders, well experienced in cochlear implant mapping and intraoperative assessment. Patient focused, compassionate, dedicated and utilizes the gained medical knowledge utmost to provide accurate diagnosis and comprehensive habilitation/rehabilitation to hearing impaired of all ages. Enthusiastic to gain and update the knowledge to provide the best services. Strong interpersonal skills and coordinates well with other professionals for patient care. Interested in conducting and participating in researches related to hearing and balance. Confident in conducting training sessions. Currently working as a Clinical Supervisor and Assistant Professor in the department of Audiology at MERF Institute of Speech and Hearing (P) Ltd, Chennai since 15/11/2016 till date.

1. **Approved as an Audiologist by the Dubai Health Authority with the reference no: DHA/LS/14112018/861470 which was issued on 6/12/2018.**
2. **Certified as an Audiologist by Rehabilitation Council of India (RCI) on 5/9/2016 with Central Rehabilitation Register (CRR) number A52102.**

**AREAS OF INTEREST:** Diagnostic Audiology, Auditory Neuropathy Spectrum Disorder (ANSD),Electrophysiology and Cochlear Implants

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**SKILL HIGHLIGHTS**

1. Knowledgeable about **different Audio vestibular disorders**, its signs and symptoms,

pathophysiology, findings and management.

1. Strong skills to perform, interpret, correlate and report different tests in the test battery including
   1. Pure Tone Audiometry, Behavioral Observation Audiometry, Visual Reinforcement Audiometry and Conditioned Play Audiometry
   2. Aided Audiometry
   3. Immittance Evaluation and Multi frequency, multicomponent tympanometry
   4. Acoustic reflexes, Reflex Decay Test, Electrical Stapedial Reflex test (ESRT)
   5. Otoacoustic Emissions (TEOAE & DPOAE)
   6. Auditory Brainstem Responses (Click and Tone burst), Neurodiagnostic ABR
   7. Late Latency Responses (LLR), P300
   8. Aided Cortical Auditory Evoked Potential (Aided CAEP)
   9. SPIN, Tinnitus Evaluation, FM trials
   10. Vestibular Evoked Myogenic Potential (C VEMP and O VEMP)
   11. Special behavioral tests to differentially diagnose between cochlear and retro cochlear pathology
   12. Hearing aid Trail
2. Strong Clinical Judgement
3. Familiar with different hearing aid fitting software
4. Well versed in hearing aid selection, verification (Real Ear Measurement), fine tuning, trouble shooting and electro acoustic measurement
5. Good Knowledge and well experienced in cochlear implant mapping and trouble shooting of different speech processors of Med EL and Cochlear Pvt Ltd
6. Familiar with different speech processors, technologies used, accessories, speech coding strategies and mapping techniques
7. Strong ability to give appropriate recommendations and referrals o Patient and family focused, empathetic

o Coordinate well with team members to work up on the candidacy of cochlear implant/hearing aid

**PROFESSIONAL EXPERIENCE**

1. **RESEARCH OFFICER** at **All India Institute of Speech and Hearing,** Mysore, India–from 19.10.2015 to 18.10.2016. Worked under the **ARF Project titled ‘Factors affecting** **cocktail party listening in normal hearing listeners’**

o Designing the appropriate method to address the research question o Formulation of appropriate research design

o Extensive review of literature

o Selection of participants of the study by routine Audiological evaluation of younger and older adults

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1. Data collection which included psychophysical tests such as Gap detection test (GDT), Modulation Detection Thresholds and Temporal Modulation transfer function (TMTF), Inter aural Time difference (ITD), Difference Limen for frequency (DLF), ripple noise discrimination (RND) using Matlab software, working memory tests such as digit span and auditory number sequencing tests, Spatial Selective attention (SSA) and electrophysiological

click ABR, speech ABR and FFT analysis of the same

1. Data analysis
2. Statistical analysis of the data and documentation o Manuscript preparation

o Preparation of manuscript for national conference

o Part of several In house staff enrichment program wherein delivered a talk on Hyper Sound Audio systems on 30.03.2016

o Served as a resource person and preparing questions on Behavioral Audiological Tests for pediatric population in the workshop on preparing database of questions in Audiology on 25.06.2016

1. **CLINICAL SUPERVISOR AND ASSISTANT PROFESSOR IN AUDIOLOGY at**

**MERF Institute of Speech and Hearing (P) Ltd from 15/11/2016 till date**

1. Perform and supervises adult and pediatric Audiological evaluations using age appropriate test battery approach including behavioral, physiological and electrophysiological tests.
2. Determines Cochlear implant candidates, intraoperative assessment, switch on, mapping, upgrades and trouble shooting for different processors of Med-EL and Cochlear Pvt Ltd.
3. Perform special tests apart from routine Audiological evaluations which includes ESRT,

Reflex Decay, BC ABR, Eustachian Tube Function Tests, fine structure DPOAE, Tinnitus Pitch Matching and residual inhibition, FM trial, Tinnitus Retraining Therapy counseling, (C)APD screening, Multifrequency and Multicomponent tympanometry.

1. Hearing aid selection, fitting and fine tuning of hearing aids
2. Training for undergraduate and graduate students. Subjects handled: Technology for management of hearing impaired, Diagnostic Audiology
3. Served as a team member of school screening program organized by FICCI FLO at
4. Part of several in house scientific research programs and guides variety of scientific papers and dissertations

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**ACADEMIA**

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| **Qualification** | **College** |  |  | **University** |  | **Academic Year** |  | **Marks** | |
|  |  |  |  |  |  |  |  | **Obtained** | |
| MSc Audiology | All India Institute | | | Mysore |  | 2013- 2015 |  | Cumulative | |
|  | of Speech |  | and |  |  |  |  | GPA: 6.763 | |
|  | Hearing, |  |  |  |  |  | 67.63% | |  |
|  | Manasagangothri, | | |  |  |  |  | First Class | |
|  | Mysore, India | |  |  |  |  |  | **Clinical hours :** |  |
|  |  |  |  |  |  |  |  | **936 hours** | |
| BASLP | Nitte Institute | | of | Mangalore |  | 2009- 2013 |  | First class with | |
|  | Speech |  | and |  |  |  |  | Distinction | |
|  | Hearing, |  |  |  |  |  |  |  |  |
|  | Deralakatte, | |  |  |  |  |  |  |  |
|  | Mangalore, India | | |  |  |  |  |  |  |
|  |  |  | |  | |  |  | |  |
| Higher | Mount | Carmel | | Board of higher | | 2007-2009 | 84% | |  |
| Secondary | Higher |  |  | secondary |  |  |  |  |  |
| Examination | Secondary |  |  | examination, |  |  |  |  |  |
|  | School, |  |  | Government | of |  |  |  |  |
|  | Kanjikuzhy, | |  | Kerala |  |  |  |  |  |
|  | Kottayam |  |  |  |  |  |  |  |  |
| Secondary | DVHS, |  |  | General |  | 2007 | 93% | |  |
| School Leaving | Kumaranalloor, | | | Education |  |  |  |  |  |
| Certificate | Kottayam |  |  | Department, |  |  |  |  |  |
|  |  |  |  | Government | of |  |  |  |  |
|  |  |  |  | Kerala |  |  |  |  |  |
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 **Awarded as the best outgoing student from Nitte Institute of Speech and Hearing in the year 2013**

 **Secured the Third Rank in Bachelor of Audiology and Speech Language Pathology from Mangalore University in the academic year 2009- 2013.**

1. Underwent **10 months’** **internship** (as a part of BASLP) program (01/08/2012 to 31/05/2013) in the following centers:
2. K.S. Hegde Hospital, Mangalore, Karnataka, India (5 months‟ internship) o St: Agnes Special School, Mangalore, Karnataka, India (1 month)

o Mar Thoma Centre for Rehabilitation and Development, Thadiyoor, Pathanamthitta, Kerala, India

o Block Rehabilitation Centre, Belthangady, Karnataka, India (1 month)

o Modern ENT Super speciality Institute (Medical Clinic), Pottammal, Calicut, Kerala, India

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**RESEARCH EXPERIENCE**

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| 1. | **Dissertation** | **‘Comparison of difference limen** | Guide: | Submitted to |
|  |  | **for frequency, intensity and** | Dr. Devi. N | University of Mysore, |
|  |  | **duration with and without** |  | **2015** |
|  |  | **amplification device’** |  |  |
| 2. | **Poster** | **‘Auditory Vigilance in Children’** | Mr. Manjunath | Presented at 44th |
|  | **presentation** |  | Narra | ISHACON, January |
|  | **and Co- author** |  |  | **2012** |
| 3 | **Co author** | „**Effect of supra threshold** | Mr. Vikas M D | Oral presentation at |
|  |  | **processing on cocktail party** | Dr. Chandni | 49th ISHACON, |
|  |  | **listening in older adults with** | Jain | Kolkatta, January |
|  |  | **normal hearing’** |  | **2017** |
| 4 | **Co author** | **‘Effects of nonlinear amplification** | Dr. Devi. N | published in Indian |
|  |  | **on differential sensitivity** |  | Journal Of Otology in the |
|  |  | **measures in individuals with** |  | July–September **2017** |
|  |  | **cochlear hearing impaired’** |  | Issue |
|  |  |  |  |  |
| 5 | **Co guided** | **‘Outcomes in children with** | Mr. R. Ranjith | Submitted to Tamil |
|  | **dissertation** | **cochlear implants: Parental** |  | Nadu Dr. MGR |
|  |  | **perspective in Indian context’** |  | University, Chennai |
|  |  |  |  | Year **2017** |
| 6 | **Co guided** | **‘Profiling the outcomes in** | Mr. R. Ranjith | Submitted to Tamil |
|  | **dissertation** | **children with bilateral cochlear** |  | Nadu Dr. MGR |
|  |  | **implants’** |  | University, Chennai |
|  |  |  |  | Year **2017** |
| 7 | **Co guided** | **‘A retrospective study on Average** | Mr. R. Ranjith | Submitted to Tamil |
|  | **dissertation** | **stimulation level and estimation of** |  | Nadu Dr. MGR |
|  |  | **map stabilization in pre linguals’** |  | University, Chennai |
|  |  |  |  | Year **2017** |
| 8 | **Co author** | „**Influence of Subcortical** | Dr. Chandni | International Journal |
|  |  | **Auditory processing and cognitive** | Jain, Mr.Vikas | of Audiology, |
|  |  | **measures on cocktail party** | M.D**.** | January,2019 |
|  |  | **listening in younger and older** |  |  |
|  |  | **adults’** |  |  |

**OTHERS**

* Serve as a life time member of Indian Speech and Hearing Association (ISHA) from 29/09/2016 with membership number L16092824.

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**Conferences and Seminars attended**

* “National Symposium on Epidemiology in Communication Disorders” on 24th Jan, 2014 AIISH, Mysore.

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* International seminar on research in hearing sciences held at AIISH on 16 & 17th December 2015.

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* National Seminar on Electrically Evoked Responses Related to Cochlear implants on 12 September 2014

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* National Seminar on Radiology for CI on 28 .02.2016 funded by ICMR and AIISH
* RCI-CRE National Seminar on Recent Advancements in Implantable hearing devices organized by Department of Audiology held on 16 August 2016 at AIISH and National Seminar on Optimization of Hearing aids on 17 August 2016.

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* 44 th National Conference on ISHA held at Hyderabad 20 to 22nd January 2012

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* Perspectives in the assessment of the vestibular system disorder- K.S.Hegde Medical Academy, Mangalore, Karnataka, India.

**PERSONAL DETAILS**

**Linguistic Abilities:** English, Malayalam, Tamil and Hindi

**Nationality:** Indian

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