

NANDU CHANDRAN NAIR

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Profile

Passionate researcher with over five years of experience in different disciplines, including Education, lexical semantics, NLP, Machine Learning, and Human-Computer Interaction. Highly organized, collaborative team-scientist with project management skills to keep projects on time. Work well independently as well as part of a team.

Work Experience

Research Assistant at CyCAT July 2019-Dec 2021

Involved in research activities, reviewing the literature and current approaches, preparing reports, journal and conference manuscripts, compiling, organizing, summarizing, and presenting requested information, and conducting studies relevant to furthering the research project and industrial case studies. Maintained effective and ethical communication with all participants. Maintained data related to the project.

Research Engineer at KnowDive Oct 2016-Oct 2018

Conducted research to advance state of art in lexical resource development. Contributed to a team investigating lexical gap identification using the psycho-linguistic principle. Collaborated with other engineers and researchers across various disciplines. Communicate plans, progress, and results to the team and the broader organization. Write software to implement, evaluate and visualize

Research and Development Engineer at Amrita E-Learning Research Lab Sep 2015-Sep 2016

Maintained up to date knowledge on the current research. Ensured curriculum development, quality management, and enhancement complied with required standards. Organized research groups meetings and tracked research project progression. Analyzed qualitative and quantitative data.

Assistant Professor at LBS Institute of Technology for Women Dec 2012-Jul 2013

Assisted with various departmental duties and provided academic support to Professors and other staff. Taught and supervised undergraduate and graduate students. Provided demonstrations and supervised experiments and investigations. Provided Professors and Department Heads with feedback on student progress. Attended faculty and departmental meetings and voiced concerns or provided suggestions for improvement.

Education

University of Trento, Italy 2018 - 2022

PhD in Information Engineering and Computer Science

Amrita Vishwa Vidyapeetham, India 2015

MTech in E-Learning Technologies

University of Kerala, India 2012

BTech in Information Technology

Publications

- IndoUKC: a Concept-Centered Indian Multilingual Lexical Resource - LREC 2022
- Using Linguistic Typology to Enrich Multilingual Lexicons: the Case of Lexical Gaps in Kinship - LREC 2022
- Robots as Transitional Objects for Young Children - WorldCist 2022
- Is this Enough?-Evaluation of Malayalam Wordnet - DravidianLangTech 2021
- Aligning the IndoWordNet with the Princeton WordNet - ICNLSP 2019
- Unsupervised Learning of Question Difficulty Levels using Assessment Responses - ICCS 2017
- Knowledge Representation and Assessment Using Concept Based Learning - ICACCI 2015

Projects

- Developing a concept-centered lexical resource for Indian languages
- Development of Malayalam wordnet using Crowdsourcing
- Evaluating Quality of a Multi-lingual Resource
- Aligning the IndoWordnet with the Princeton WordNet
- Data Integration in the Music Domain
- Discovery of lexical gaps via psycho linguistic principle
- Classroom Exam Surveillance
- Syllabus Mapping Project
- Concept based Assessment System
- Self Evaluation system for Online Education
- Automatic Template Extraction from websites

Achievements

- Recipient of Ph.D scholarship, 2018-2022.
- Recipient of ITPAR scholarship, 2017
- Recipient of Erasmus-Mundus scholarship, 2016.
- Recipient of post-graduation scholarship from central government for Masters, 2013-2015
- Reviewer for Computer Speech and Language
- Program committee member for DravidianLangTech

