

# Loganathan Ramasamy | resumé

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## Education

<b>Charles University in Prague</b> <i>Doctor of Philosophy (PhD), Mathematical Linguistics</i>	<b>Prague, Czech Republic</b> 2010–2014
<b>Amrita Vishwa Vidyapeetham</b> <i>MS by Research, Computational Informatics</i>	<b>Coimbatore, India</b> 2006–2008
<b>Amrita Institute of Technology and Science</b> <i>Bachelor of Engineering (BE), Computer Science and Engineering</i>	<b>Coimbatore, India</b> 2000–2004

## Research skills

**About 15 publications on topics:** machine translation, morphological analysis, parsing, cross-lingual annotation transfer, transliteration, annotation harmonization, machine learning, low-resource languages, optical character recognition, treebanking

**Notable projects (main author):** Tamil dependency treebank (TamilTB), English-Tamil parallel corpus (EnTam)

**Specialized tools:** Treex, Stanford tagger/parsers, Google's OpenFST, TrEd annotation editor, MST parser, Moses

## Research experience

<b>Charles University in Prague</b> <i>Research Assistant</i>	<b>Prague, Czech Republic</b> Aug 2010–present
<ul style="list-style-type: none"><li>◦ Working as a team member in the Czech team of the large scale language infrastructure project (LINDAT/CLARIN).</li><li>◦ Working as a developer for the statistical spell checking project called <i>Korektor</i>.</li><li>◦ Worked as an Early-stage Researcher (ESR) in the Marie Curie ITN - <i>Common Language Resources and their Applications (CLARA)</i>. My achievements page in CLARA - <a href="http://clara.b.uib.no/fellows/loganathan-ramasamy/">http://clara.b.uib.no/fellows/loganathan-ramasamy/</a></li><li>◦ Explored various methodologies to develop data-driven resources for Tamil, an under-resourced language.</li><li>◦ Developed a dependency style treebank for Tamil and harvested English-Tamil parallel corpora (largest publicly available as of now) from the web.</li><li>◦ I was a team member and contributed to annotation harmonization for the large scale treebank harmonization project called - <i>HamleDT (HARmonized Multi-LanguagE Dependency Treebank)</i>.</li></ul>	
<b>University of L'Aquila</b> <i>Young Indian Researcher</i>	<b>L'Aquila, Italy</b> Sep 2009–Jun 2010
Undertook interdisciplinary research on natural language processing and software engineering.	
<b>CDAC</b> <i>Project Associate (on deputation)</i>	<b>Pune, India</b> Jun 2007–Sep 2007
Worked for the development of multilingual lexicalized tree adjoining grammar (LTAG) tree editor and LTAG parser for English language.	

## Amrita Vishwa Vidyapeetham

Research Associate

Coimbatore, India

Jun 2004–Sep 2009

- Taught an introductory course on Natural Language Processing.
- Funded projects:
  - “English to Indian Languages: Machine Translation System (EILMT)”
  - “Study for Development of Methodology Detection Tools for Digital Contents Plagiarism and other Piracy Software”
  - “Analysis of PIV and PLIF Images for Fluid Flow Characterization and Visualization”

## Softwares/data releases

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Item	Authorship
○ Tamil treebank (TamilTB)	○ main author
○ English-Tamil parallel corpus (EnTam)	○ main author
○ HamleDT	○ contribution
○ Statistical spell checker - Korektor	○ contribution

## Languages

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**English:** full professional proficiency

**Tamil:** native language

**German:** A1

**Czech:** A1 equivalent

## Computer skills

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**Programming languages:** C, C++, Java, Perl, Python

**Operating systems:** GNU Linux, Windows

**Typesetting:**  $\LaTeX$

**Scientific platforms:** R, Matlab, Octave

**Distributed libraries:** MPI

**Web:** HTML, PHP

## Awards

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European Commission

- Marie Curie Fellowship: Early Stage Researcher (ESR) 2010-2013

Ministry of Education, Universities and Research (MIUR), Italy

- Young Indian Researcher 2009-2010