

Jasivan SIVAKUMAR

85 High Street
Ramsey, Cambridgeshire
PE26 1BZ, United Kingdom
Mob: +44 7 505 23 22 27
E-mail: jasivakumar1@sheffield.ac.uk

Webpage: jasivan.github.io
Github: [jasivan](https://github.com/jasivan)
Twitter: [jasivan_s](https://twitter.com/jasivan_s)
LinkedIn: [Jasivan Sivakumar](https://www.linkedin.com/in/JasivanSivakumar)

EDUCATION**Qualifications**

- 2021- present** **PhD in Speech and Language Technology (Computer Science)**
University of Sheffield – Sheffield, United Kingdom
Research title: Numerical Reasoning for General-Purpose Language Models
- 2020- 2021** **Master of Arts in Computational Linguistics - Distinction**
University of Wolverhampton – Wolverhampton, United Kingdom
Dissertation title: Improved Sentence Embeddings Using GAT with Siamese Neural Networks on UCCA Semantic Parse Trees
- 2016- 2017** **Post Graduate Certificate in Education (Mathematics)**
University of Cambridge – Cambridge, United Kingdom
- 2012- 2016** **Master of Mathematics with Study Year in Europe (MMath) – First Class**
University of Warwick – Coventry, United Kingdom
Dissertation: A mathematical approach at analysing the influence of English in the French language

Activities

- 2021- present** **Speech and Language Technology Project for Palenquero**
Supporting the Palenque people, an afro community from Colombia, with speech and language technology (SLT) for Palenquero, collect data, develop simple tools e.g. a keyboard

Skills:

Languages **English-** Native **French-** Native **Tamil-** Native **Spanish-** Fluent
Programming: Python, PyTorch, Huggingface, scikit-learn, NLTK, Latex, git

EMPLOYMENT HISTORY

- Jan 22 – Present** **Teaching Assistant**
University of Sheffield - Sheffield, United Kingdom
➤ Lead tutorials, invigilate exams, mark exam scripts, answer student queries for Foundations of Computer Science and Professional Issues
- Sep 18 – Aug 21** **Mathematics teacher/ Key stage 5 Coordinator / Supply**
Abbey College - Ramsey, United Kingdom
➤ Prepare and teach maths to 11 - 18 years old students including all aspects of the curriculum (inc. mechanics, statistics and decision). Support teachers for up-skilling, mentor trainee teacher. Prepare student for university and in charge of their welfare
- Aug 17 – Jun 18** **Language Teacher**
Universidad de Sucre via AIESEC - Sincelejo, Colombia
➤ Teach a French and English culture and civilisation course, assist in the teaching French and English classes ranging from A1 to C1, supervise student teachers' with research project
- Oct 15 – Jun 16** **Supervisor**
University of Warwick - Coventry, United Kingdom
➤ Guiding two groups of first year students with the transition from school to University, mark weekly assignments, review proofs, exercises, definition and examples

PUBLICATIONS

1. **Sivakumar, J. A., & Moosavi, N. S. (2023).** [FERMAT: An Alternative to Accuracy for Numerical Reasoning](#). arXiv preprint arXiv:2305.17491. (accepted at ACL 2023)
2. **Sivakumar, J., Muga, J., Spadavecchia, F., White, D., & Can, B. (2021, December).** [A GRU-based Pipeline Approach for Word-Sentence Segmentation and Punctuation Restoration in English](#). In 2021 International Conference on Asian Language Processing (IALP) (pp. 268-273). IEEE.