Sachith Gunasekara

BSc (Hons) in Computer Science

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♠ Google Scholar R⁶ ResearchGate 🤗 Hugging Face

EDUCATION

BSc (Hons) in Computer Science   02/2019 – 07/2023
University of Kelaniya ✎   Dalugama, Sri Lanka
- **Rank**: 1/125 (Top of the class)
- **CGPA/4**: 3.78 (First Class division)
- **Subject GPA/4:** 3.86
- **Majored** in Computer Science.
  - Selected on a merit basis with a subject GPA/4 of 3.87
- **Dean's List**: 3 out of 4 academic years
- Minored in Statistics and Pure Mathematics during the first two academic years
- **Thesis**: Engraving sentence level positional data into N-gram profiles for document classification

Diploma in Software Engineering   10/2017 – 04/2018
ESOFT Metro Campus ✎   Matale, Sri Lanka

PUBLICATIONS

Capturing sentence level positional data into N-gram profiles for document classification ✎   13/10/2023
Abstract | Software Intensive Systems | ICAPS 2023
- **Authors:** L M S Gunasekara, and ***H K S Premadasa*** ✎

Gunasekara L. M. S.; Premadasa H. K. S. (2023) Capturing sentence-level positional data into N-gram profiles for document classification., Proceedings of the ICAPS 2023-Kelaniya Volume 3, Faculty of Science, University of Kelaniya Sri Lanka. Page 119

PRE-PRINTS

OpenBezoar: small, cost-effective and open models trained on mixes of instruction data ✎   03/2023 – 04/2024
Surge Global, Sri Lanka
- **Authors:** Sachith Gunasekara, Chandeepa Dissanayake, Lahiru Lowe, **Yasiru Ratnayake** ✎

RESEARCH

Do LLMs reason better in structured (JSON) or unstructured natural language approaches?   10/2024 – present
Conducting designed experiments/Writing the paper

Internalising System 2 as System 1 in LLMs   08/2024 – present
Reading/Designing experiments

WORK EXPERIENCE

Surge Global ✎

  Machine Learning Engineer   04/2025 – present
                                                                 Colombo 3, Sri Lanka

  Associate Machine Learning Engineer   10/2023 – 04/2025
                                                                 Colombo 3, Sri Lanka

  Data Science Intern   03/2023 – 10/2023
                                                                 Colombo 7, Sri Lanka

Steiner College	11/2018 – 02/2019
ICT Classroom Teacher 🔗	Battaramulla, Sri Lanka

HONORS & AWARDS

Gold medal for best performance in Computer Science in the batch of 2017/2018 🔗	27/03/2024
142nd General Convocation, Faculty of Science, University of Kelaniya	
Best Presenter at the 4th International Conference on Applied and Pure Sciences (ICAPS 2023) - Kelaniya 🔗	13/10/2023
Oral presentation of Abstract - Software Intensive Systems Track	
Second Prize at the IEEE SA P2834 Student Challenge 2022, Valencia, Spain 🔗	15/11/2022
IEEE SA P2834 Standard for Secure and Trusted Learning Systems · Nov 2022	
Dean's List - Academic Year 2020/2021 - University of Kelaniya 🔗	29/01/2024
Professor Sudath R D Kalingamudali - Dean / Faculty of Science	
Dean's List - Academic Year 2019/2020 - University of Kelaniya 🔗	02/02/2024
Professor Sudath R D Kalingamudali - Dean / Faculty of Science	
Dean's List - Academic Year 2017/2018 - University of Kelaniya 🔗	19/02/2021
Professor Sudath R D Kalingamudali - Dean / Faculty of Science	

AFFILIATIONS

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IEEE P2834 - Standard for Secure and Trusted Learning Systems Working Group (WG) Member 🔗	present
Pending Member	

WORKSHOPS DELIVERED

A Step Beyond the Hype: A Journey Through Modern AI 🔗	04/2025
Conducted in request to the IEEE Student Branch of Wayamba University of Sri Lanka	Sri Lanka

- **YouTube:** https://youtu.be/GbkTn_7Xyr8?t=419 🔗
- **Delivery:** Online via Zoom
- **Audience:** Wayamba University Undergraduates

**Implementing AI Agents	Workshop	AI-Driven Sri Lanka** 🔗	08/2024
Conducted in request to AI-Driven Sri Lanka	Colombo, Sri Lanka

- **YouTube:** https://youtu.be/4oJvr5uVTTg?t=256 🔗
- **Delivery:** Online via Zoom
- **Audience:** University undergraduates

TECHNICAL ARTICLES

nanoJAXGPT: A pedagogical introduction to JAX/Equinox 🔗	10/2024
A comprehensive introduction to JAX/Equinox by rewriting the famous nanoGPT repository.	

- Blog: *https://huggingface.co/blog/sachithgunasekara/nanojaxgpt* 🔗
- Repo: *https://github.com/surgeglobal/nanoJAXGPT* 🔗

VOLUNTEERING

Judge at Sri Lanka Artificial Intelligence Competition (SLAIC) 2024 🔗	10/2024
IEEE Young Professionals Sri Lanka Section	Colombo, Sri Lanka
Mentor for an AI Bootcamp final competition	12/2023
IEEE Young Professionals - Sri Lanka	Colombo, Sri Lanka
International Vipassana Meditation Center 🔗	11/2017 – 08/2018
Secretary and IT Assistant to Chief Incumbent Thero, Ven. Udadumbara Kashyapa Thero of International Vipassana Meditation Center	Colombo 7, Sri Lanka