

Aarush Sinha

Chennai, India

aarush.sinha@gmail.com — LinkedIn — GitHub

RESEARCH INTERESTS

Natural Language Processing, Information Retrieval, QA-Systems

EDUCATION

Vellore Institute of Technology, Chennai, India

Bachelor of Technology in Computer Science and Engineering

Sep 2021 — Jun 2025

Cumulative GPA: 3.26/4.00

- Member of IEEE Computer Science Society.
- Member of IEEE RAS.
- Part of the college newsletter editorial team.
- Part of the university design team.

Kendriya Vidyalaya, IIT Madras, Chennai, India

Schooling

Aug 2016 — May 2021

Final Grade: 93.8

ACADEMIC EXPERIENCE

Indian Institute of Technology Madras

Research Intern

Chennai, India

Aug 2023 — Present

Working on implementing generative pseudo labelling for retrieval of scientific literature by synthetically generating queries. This research is being done under Prof. Nirav Bhatt.

Olam

Intern

Chennai, India

Jun 2022 — Oct 2022

Worked with the security team of the company to build a web app for generating weekly user reports.

PROJECTS

Generation-of-Colors-using-BiLSTMs [GitHub](#)

A prompt based model that is trained to generate colors.

Predicting-Diseases [GitHub](#)

A custom cross encoder used to predict diseases based on the input of symptoms a user describes in natural language.

BiGATOR [GitHub](#)

An Attention seeking Gated BiEncoder evaluated and trained on the Lambada dataset.

PUBLICATIONS

Arxiv

Sinha, A. "Generation Of Colors using Bidirectional Long Short Term Memory Networks." arXiv, 11 Nov. 2023, doi:10.48550/arXiv.2311.06542.

COURSES

- Natural Language Processing with Attention Models Certificate
- Natural Language Processing with Classification and Vector Spaces Certificate
- Mathematics for Machine Learning: Linear Algebra Certificate
- Natural Language Processing in TensorFlow Certificate

SKILLS

- **Programming:** Python, C, Pytorch, Tensorflow, NLP, Machine Learning, Latex
- **Software:** Windows, Linux
- **Soft Skills:** Research, Teamwork, Time Management, Communication