

KIRTI BHAGAT

kirtibhagat2199@gmail.com ◇ kirtibhagat@iisc.ac.in ◇ <https://kirtibg.github.io/>

EDUCATION

Vellore Institute of Technology
B.Tech Electronics and Computer Science
Department Rank 3

2017 - 2021
CGPA: 9.23/10

Rajhans Vidyalaya, Mumbai
Intermediate, CBSE - Science Stream
School Rank 1

2017
96.2%

RESEARCH EXPERIENCE

Indian Institute of Science, Bengaluru
Research Associate

Feb 2024 - Present

- Currently part of the FLAIR Lab at IISc led by [Prof. Danish Pruthi](#).
- Studied geographical bias in Language Models and its impact on real-world applications.
- Currently focused on evaluating cultural misrepresentations in long-form content generated by Large Language Models.

Vellore Institute of Technology
Undergraduate Researcher

Jan 2019 - Apr 2020

- Worked on the problem of data sparsity in recommendation systems with [Prof. Syed Ibrahim](#).
- Developed a solution to identify unfavorable items using association rule mining and imputing them with lower values to significantly improve accuracy on the MovieLens 100K dataset.

National Institute of Technology, Surathkal
Summer Research Intern

Jun 2019 - Jul 2019

- Interned in the Robotics Lab at NIT Surathkal under the guidance of [Prof. K.R. Guruprasad](#).
- Developed and tested a robot coverage path planning algorithm, namely X-STC, which is an improved version of the spanning tree algorithm, on the TurtleBot.

PUBLICATIONS

TALES: A Taxonomy and Analysis of Cultural Representations in LLM-generated Stories
Kirti Bhagat*, Shaily Bhatt*, Athul Velagapudi, Aditya Vashistha, Shachi Dave, Danish Pruthi
Accepted at CHI 2026 <https://arxiv.org/abs/2511.21322>

Richer Output for Richer Countries: Uncovering Geographical Disparities in Generated Stories and Travel Recommendations
Kirti Bhagat, Kinshuk Vasisht, Danish Pruthi
Findings of NAACL 2025 <https://aclanthology.org/2025.findings-naacl.262/>

Where Do Images Come From? Analyzing Captions To Geographically Profile Datasets
Abhipsa Basu, Yugam Behl, [Kirti Bhagat](#), Preethi Seshadri, R Venkatesh Babu, Danish Pruthi
Preprint

INDUSTRY EXPERIENCE

Amazon Development Center (India)

Dec 2021 - Jan 2024

Software Development Engineer

- Owned the Remote Configuration Management, Liquid Detection, and Toddler Mode features, as part of Amazon's Fire OS Framework team.
- Contributed bug fixes to Android (AOSP) related to storage compatibility, user interfaces, physical keyboards and user profiles.

Bajaj Finserv Health Limited

Jan 2021 - Dec 2021

Associate Data Scientist

- Built ETL (Extract, Transform and Load) pipelines using Azure Data Factory, Databricks, Python and MySQL to manage data from heterogeneous sources.
- Liaised between business and development teams to provide insightful reporting and KPIs using PowerBI.

PROJECTS

Data Mining: Movie Recommendation

- Applied and tested various data mining algorithms like Apriori, and Random Walk with Restart to build a personalized movie recommendation system.

Image Captioning using Deep Learning

- Trained images using RNNs on Flickr 8K dataset to make a caption generator for new images.

CourseDesk: A Student Registration Website

- Created an online course registration website using nodejs, css and html which students could use to register/deregister various courses offered by professors in an organization.

TEACHING EXPERIENCE

Vellore Institute of Technology

Aug 2019 - Dec 2019

Teaching Assistant ECE1002

- TA'ed for ECE1002, Semiconductor Devices and Circuits taught by [Prof. Suganthi K](#)
- Assisted in preparing, administering, and grading assignments and laboratory work.

RELEVANT COURSEWORK

Natural Language Processing
Machine Learning Algorithms
Computer Vision
Statistics for Engineers

Data Mining
Data Structures & Algorithms
Discrete Mathematics & Graph Theory
Database Management Systems

SKILLS

Computer Languages

Python, Java, SQL, MATLAB

Tools & Technologies

MySQL, PyTorch, MongoDB, Azure Data Factory, Linux, Android

OTHER EXPERIENCES

Volunteer as a mathematics teacher at U&I Trust, a non-profit charity. (2023 - 2024)

Mentor and Moderator at GirlScript, a non-profit technical community. (2020 - 2021)

President of the Robotics Club at Vellore Institute of Technology Chennai. (2019 - 2021)