

KIRTI BHAGAT

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EDUCATION

Vellore Institute of Technology B.Tech Electronics and Computer Science Department Rank 3	<i>2017 - 2021</i> CGPA: 9.23/10
Rajhans Vidyalaya, Mumbai Intermediate, CBSE - Science Stream School Rank 1	<i>2017</i> 96.2%

RESEARCH EXPERIENCE

Indian Institute of Science, Bengaluru <i>Research Associate</i>	<i>Feb 2024 - Present</i>
<ul style="list-style-type: none">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 <i>Undergraduate Researcher</i>	<i>Jan 2019 - Apr 2020</i>
<ul style="list-style-type: none">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 <i>Summer Research Intern</i>	<i>Jun 2019 - Jul 2019</i>
<ul style="list-style-type: none">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)

Software Development Engineer

Dec 2021 - Jan 2024

- 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

Associate Data Scientist

Jan 2021 - Dec 2021

- 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

Teaching Assistant ECE1002

Aug 2019 - Dec 2019

- 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

Data Mining

Machine Learning Algorithms

Data Structures & Algorithms

Computer Vision

Discrete Mathematics & Graph Theory

Statistics for Engineers

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)