

Suvasish Das

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Projects

Jailbreaking and Redteaming DeepSeek Models (CS6103 Spring'2025, Course Project)

May 2025

- Study adversarial attacks based on prompt injection to break the safeguard of DeepSeek models.
- Compared our implementations with the current available benchmarks.

Bengali Spelling Correction using Noisy Channel Approach [Code] [Report]

Jun 2024

- A web-based application to rectify Bengali spelling errors by using Bayesian Inference.
- Implemented beam-search on top of the noisy-channel to improve overall language model accuracy.
- Collected diverse handwritten texts from college students for real-time evaluation.

Facility Detection and Popularity Assessment [Code] [Slides]

Mar 2023

- Facility detection from large-scale text classification of social media and crowdsourced data.
- Achieve accuracy of 91% using Support Vector Machines and 85% using Naive Bayes.
- Scrape Twitter for a particular timeline with target facility type, used to determine the truthiness of the tweet.

Non-adaptive Image Encryption based on Chaos [Code] [Report]

Jul 2022

- Implemented an image encryption method based on non-adaptiveness chaos.
- Reduced noise up to 80% created by public channels and retrieved encrypted images at the receivers end.

A full featured Technical Blog Website using Python-Flask [Code]

2021

Android based Covid-19 Vaccine Notifier Application [Code]

2020

Skills

Languages: Python (8000+ lines), C/C++, HTML/CSS, Java, JavaScript, L^AT_EX, SQL

Library & Tools: Pytorch, Tensorflow, NLTK, Pandas, Numpy, Keras, Flask, Jekyll

Experience

Teaching Assistantship in CS101 (Fall, 2025), IIT Bombay

Mumbai, India

Assisted a team of 30 students, including weekly one-to-one doubt-solving sessions

Jul 2025 - ongoing

Education

Indian Institute of Technology, Bombay

Mumbai, India

PhD in Intelligent Systems (IS1)

Jan 2025 - ongoing

West Bengal State University

West Bengal, India

M.Sc (Hons) in Computer Science (CGPA: 9.78/10)

Jul 2022 - Jul 2024

Secure 1st position in the department and its affiliated colleges - [Certificate]

Barrackpore Rastraguru Surendranath College

West Bengal, India

B.Sc (Hons) in Computer Science (CGPA: 9.51/10)

Jul 2019 - Jul 2022

Fellowships / Achievements

INSPIRE Fellowship awarded by Department of Science and Technology, Govt. of India

Jun 2025

Institute Teaching Assistantship awarded by Indian Institute of Technology, Bombay

Jan 2025