Jainit Sushil Bafna

Hyderabad

📞 +91-9987383332 ✉ jainit.bafna@research.iiit.ac.in 💼 linkedin.com/jainit-bafna ⭘ github.com/JainitBITW

Education

International Institute of Technology, Hyderabad   **2021 − 2026**
B.Tech in Computer Science with MS by Research in Computational Linguistics.   *CGPA: 8.75*
Currently Undergraduate Researcher at LTRC@IIITH, under Dr. Manish Shrivastava

K J Somaiya Junior College of Science and Commerce   **2019 − 2021**
12th Grade   *98.5 %*

Fatima High School, Mumbai   **2018-2019**
10th Grade   *93.6 %*

Relevant Coursework

- Data Structures and Algorithms
- Introduction to Natural Language Processing
- Software Systems
- Algorithms Analysis
- Linear Algebra
- Probability and Statistics
- Discrete Structures
- Computer Systems Organization
- Machine and Data Learning

Projects

ELMo Using PyTorch
- This was the implementataion of paper Deep contextualized word representations
- The ElMO model is made using pytorch's BiLSTM.
- Then trained for two tasks. Sentiment Analysis and NLI

POS Tagger Using PyTorch
- In this project, I made POS-Tagger using PyTorch on English Dataset
- Implemented an unique method for getting POS tags for unknown words with high accuracy.

Styled-ChatBot
- The objective was to create a system that can generate text that closely resembles the person's style and patterns of communication.
- The resulting model was able to generate responses that closely resembled the style and patterns of communication of the target character.

Flower Species Classifier
- This is a command line application for identifying 102 different species of flowers by providing just image.
- It uses pretrained model which is finetuned and also a classifier is attached.
- There are various options regarding which model to choose and change hyperparameters but the default once are the best.

Greddit
- Greddit is a social media platform based on MERN stack with UI designed using MUI. It resembled to the original Reddit in a lot of aspects

Technical Skills

Languages: Python, JavaScript, C, C++, Shell Script, X86 Assembly
Frameworks: ReactJS, ExpressJS, NodeJS, MongoDB, Figma
Others: Git, LaTeX, PyTorch

Achievements

My take away from some papers and blogs.

- Awarded an AWS AI/ML Scholarship 2022 sponsored by AWS and Udacity twice. Once in winter(Completed) Certificate and once in summer(ongoing).
- Made into Dean's List in spring 2021
- Semifinalist at AWS Deepracer Student 2021
- JEE: JEE Mains- 99.80%ile, JEE Advanced- AIR 1830
- KVPY scholar : AIR 1115
- ICPC Amritapuri 2022 Qualifier Round AIR 316 and College rank 8