

# JAINIT SUSHIL BAFNA

Hyderabad

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## Education

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### International Institute of Technology, Hyderabad

2021 – 2026

*B.Tech in Computer Science with MS by Research in Computational Linguistics*

*CGPA: 8.75*

### 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

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

## Projects

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### ELMo Using PyTorch

- This was the implementation 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 command line application for identifying 102 different species of flowers.

### 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

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**Languages:** Python, JavaScript, C, C++, Shell Script, X86 Assembly

**Frameworks:** ReactJS, ExpressJS, NodeJS, MongoDB, Figma

**Others:** Git,  $\text{\LaTeX}$ , PyTorch

## Achievements

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- Awarded an AWS AI/ML Scholarship 2022 sponsored by AWS and Udacity.
- The ELMo model is made using pytorch's BiLSTM.
- Then trained for two tasks. Sentiment Analysis and NLI