

# Ipsit Das

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## OBJECTIVE

Enthusiastic software engineer with a solid foundation in artificial intelligence, experienced in PyTorch, TensorFlow, Django, and React. Demonstrates strong problem-solving skills with top competitive coding rankings. Dedicated to continuous learning and impactful AI-driven projects.

## EDUCATION

**National Institute of Technology, Andhra Pradesh — B.Tech CSE**

November 2021- Present

8.39 CGPA

**Vishwa Bharati Public School, Noida — XII (CBSE)**

90.8%

**Neeraj Public School, Rajnandgaon — X (CBSE)**

10 CGPA

## PROJECTS

**Photo To Anime Converter** | GANs, Computer Vision, PyTorch, Streamlit

June 2024

- Explored **style transfer techniques** using **cycle GAN** with **Identity Loss**.
- Developed a model that translates natural images to animated images.
- [Application](#) | [GitHub](#)

**Image Caption Generator** | Computer Vision, Natural Language Processing, PyTorch, Gradio

May 2024

- Leverages knowledge gained from image to text translation using transformers.
- Developed a model using **Roberta** and **ViT** followed by fine-tuning on **flickr 10k** dataset
- **ROUGE2**: Precision = 0.114700, Recall = 0.124500, F1 = 0.114100
- [Application](#) | [GitHub](#)

**English POS Tagger** | Natural Language Processing, Streamlit

March 2024

- Developed a model to output POS tags of a given English sentence using Streamlit Interface.
- Implemented **Hidden Markov Model** and **Viterbi Decoding**
- **Weighted Avg.** : Precision = 0.54, Recall = 0.51, F1 = 0.52
- [Application](#) | [GitHub](#)

**HoMan** | Django, React, SQLite, Redux

May 2023

- Developed a full-stack web application using **Django** and **React.js** to manage the hostel.
- Utilized **SQLite** as the database with **Redux** for state management.
- [Admin Page](#) | [User Page](#) | [GitHub](#)

## SKILLS

**Languages** C/C++, Java, Python, JavaScript, HTML/CSS, SQL

**Tools** PyTorch, NumPy, Scikit-Learn, Matplotlib, Pandas, React.js, Django, Streamlit, TensorFlow, Keras, Flask

**Fundamentals** Artificial Intelligence, Deep Learning, Database Management, Natural Language Processing, Computer Vision

## ACHIEVEMENTS

- Solved over 500 problems on LeetCode.
- Ranked among the top 21% of coders on LeetCode with a rating of more than 1600.
- Secured position in top 1% among 16,686 candidates in NPTEL Online Certification Exam on [Cloud Computing](#)

## CLUBS AND ACTIVITIES

**GDSC NIT Andhra Pradesh** | Associate Web Developer

- Collaborated with a team to create and maintain the front-end of the GDSC website using Next.js.
- Contributed by creating the profile page for displaying team members' information.
- [Certificate](#)