Ipsit Das

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[Email](#) | [GitHub](#) | [LinkedIn](#) | [Leetcode](#) | [Website](#)

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 link](#) | [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 link](#) | [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 450 problems on LeetCode.
- Ranked in the top 24.68% of coders on LeetCode with a rating of 1585.
- 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](#)