Ipsit Das

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LeetCode: leetcode.com/icode100 | CodeChef: codechef.com/users/icode100

EDUCATION

National Institute of Technology, Andhra Pradesh — *B.Tech CSE*   *November 2021- August 2025*
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*
- Investigated **advanced Style Transfer Techniques** using **Cycle GANs** with **Identity Loss,** pushing the boundaries of image transformation.
- Engineered a model that seamlessly translates natural images into animated counterparts, enhancing visual creativity and realism.
- Trained the model with more than 6000 images for over 10 hours on T4 GPUs.
- Application | GitHub

Image Caption Generator | *Computer Vision, Natural Language Processing, PyTorch, Gradio*   *May 2024*
- Utilized expertise in **image-to-text translation** with **transformers** to drive innovative solutions.
- Built and **fine-tuned** a model leveraging **Roberta** and **ViT** on the **Flickr 10k** dataset, optimizing performance for image captioning tasks.
- **ROUGE2:** Precision = 0.114700**,** Recall = 0.124500**,** F1 = 0.114100
- Application | GitHub

English POS Tagger | *Natural Language Processing, Streamlit*   *March 2024*
- Designed a model with **PyTorch** to generate POS tags for English sentences, enhancing user interaction.
- Implemented a **Hidden Markov Model** coupled with **Viterbi Decoding** to achieve accurate and efficient POS tagging.
- **Weighted Average:** Precision = 0.54**,** Recall = 0.51**,** F1 = 0.52
- Application | GitHub

HoMan | *Django, React, SQLite, Redux*   *May 2023*
- Designed a **full-stack** web application using **Django** and **React.js** for comprehensive hostel management.
- Integrated **SQLite** as the database and employed **Redux** for efficient state management, ensuring seamless data flow and user experience.
- 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 17% of coders on LeetCode with a rating of more than 1600.
- 2-star on CodeChef with a max-rating of 1438
- Secured position in top 1% among 16,686 candidates in NPTEL Online Certification Exam on Cloud Computing

CLUBS AND ACTIVITIES

Google Developer Student Club, NIT Andhra Pradesh | *Associate Web Developer*
- Collaborated closely with a cross-functional team to design and launch the GDSC website's front-end, is optimized for mobile devices, ensuring broad accessibility.
- Led the development of the team members' profile page, showcasing detailed information and contributing to enhanced user experience and team visibility.
- Certificate