Ipsit Das

Email: ipsit.das1@gmail.com | Phone: +91 9310686787 | LinkedIn:linkedin.com/in/ipsit-das
GitHub: github.com/icode100 | Website: icode100.github.io
LeetCode: leetcode.com/icode100 | CodeChef: codechef.com/users/icode100

EDUCATION

National Institute of Technology, Andhra Pradesh November 2021 - Present
B.Tech CSE **8.39 CGPA**

Vishwa Bharati Public School, Noida
XII (CBSE) **90.8%**

Neeraj Public School, Rajnandgaon
X (CBSE) **10.00 CGPA**

PROJECTS

Photo To Anime Converter |*GANs, Computer Vision, PyTorch, Streamlit* June 2024
- Conducted experiments with **Cycle GANs**to explore **Neural Style Transfer Techniques**, achieving high accuracy in image transformations and enhancing visual applications.
- 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
- Architected a model with **PyTorch** to generate POS tags for English sentences, enhancing user interaction.
- Constructed a sophisticated **Hidden Markov Model** with **Viterbi Decoding** capabilities for POS tagging; the model streamlined the tagging process, allowing for the analysis of 76,000+ words.
- **Weighted Average**: 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** for comprehensive hostel management.
- Integrated **SQLite** as the database and employed **Redux** for efficient state management, ensuring seamless data flow and user experience.
- 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, 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