

Ipsit Das

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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 <i>GANs, Computer Vision, PyTorch, Streamlit</i>	June 2024
<ul style="list-style-type: none">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 <i>Computer Vision, Natural Language Processing, PyTorch, Gradio</i>	May 2024
<ul style="list-style-type: none">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 = 0.114100Application GitHub	
English POS Tagger <i>Natural Language Processing, Streamlit</i>	March 2024
<ul style="list-style-type: none">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 = 0.52Application GitHub	
HoMan <i>Django, React, SQLite, Redux</i>	May 2023
<ul style="list-style-type: none">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++, Python, SQL, Java, JavaScript, HTML/CSS
Tools: PyTorch, NumPy, Scikit-Learn, Matplotlib, Pandas, React.js, Django, Streamlit, TensorFlow, Keras, Flask, Hadoop
Fundamentals: Artificial Intelligence, Deep Learning, Database Management, Natural Language Processing, Computer Vision, Unix based Shell Scripting, Big Data Analysis

ACHIEVEMENTS

- Solved over 500 problems on LeetCode.
- Ranked among the top 12% of coders on LeetCode with a rating of more than 1700.
- 2-star on CodeChef with a max-rating of 1527 with best Global Rank of 696.
- 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 <i>Associate Web Developer</i>
<ul style="list-style-type: none">Collaborated closely with a cross-functional team to design and launch the GDSC website's front-end, optimized for mobile devices, ensuring broad accessibility.Contributed to the development of the team members' profile page, showcasing detailed information and contributing to enhanced user experience and team visibility.Certificate