

Ipsit Das

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GitHub: github.com/icode100 | Portfolio: icode100.github.io
LeetCode: leetcode.com/icode100 | CodeChef: [codechef.com/users/icode100](https://www.codechef.com/users/icode100)

EDUCATION

National Institute of Technology, Andhra Pradesh — B.Tech CSE 8.39 CGPA	November 2021- Present
Vishwa Bharati Public School, Noida — XII (CBSE) 90.8%	
Neeraj Public School, Rajnandgaon — X (CBSE) 10 CGPA	

PROJECTS

Photo To Anime Converter <i>GANs, Computer Vision, PyTorch, Streamlit</i> <ul style="list-style-type: none">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	June 2024
Image Caption Generator <i>Computer Vision, Natural Language Processing, PyTorch, Gradio</i> <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	May 2024
English POS Tagger <i>Natural Language Processing, Streamlit</i> <ul style="list-style-type: none">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 = 0.52Application GitHub	March 2024
HoMan <i>Django, React, SQLite, Redux</i> <ul style="list-style-type: none">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	May 2023

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 <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, 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
