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* — June 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.
- Trained with 10,000 images for over 4 hours with P100 GPU.
- **ROUGE2**: Precision = 0.114700, Recall = 0.124500, F1 = 0.114100.
- Application | GitHub

Portgen.Io |*MERN* — March 2024
- Developed "PortGen.io," a **MERN** stack application for creating portfolio websites by entering details such as education, projects, and skills.
- Designed three customizable portfolio templates using Figma for prototyping and React for development, with dynamic data parsing to populate user information seamlessly.
- Integrated MongoDB for secure user authentication and efficient storage of user data.
- Deployed the application using Vercel, ensuring responsive design and optimized performance across all templates.
- Application | GitHub

HoMan |*Django, React, SQLite, Redux* — May 2023
- Developed "HoMan," a full-stack web application using **Django** and **React.js** for hostel management at NIT Andhra Pradesh.
- Automated mess credit adjustments based on student leave days and streamlined outing management workflows.
- Digitized approval processes for security and hostel administrations, replacing traditional hard-copy forms.
- Leveraged **Django Admin** and **SQLite** for efficient data management and logging of student outing records.
- GitHub | Video Demonstrations: Admin Page | Users Page

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 globally on LeetCode with a best rating of 1703.
- 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
- Secured position in top 5% among 3358 candidates in NPTEL Online Certification Exam on Responsible and Safe AI Systems

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.
- Contributed to the development of the team members' profile page, showcasing detailed information and contributing to enhanced user experience and team visibility.
- Certificate