Satya Naraharisetty

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EDUCATION

B.Tech - ECE, Vishnu Institute of Technology   2020 – 2024 | CGPA: 7.96
  Related coursework: OOP through Java; DBMS; Data Structures; and Computer Networks

SKILLS

- Programming Languages: Java, Python
- Frameworks: Flask, Streamlit, NumPy, Pandas
- Database: SQL, MySQL
- Web: HTML, CSS, Javascript
- Tools: Git & GitHub, VS Code, IntelliJ IDEA
- SDLC & Agile Methodologies

PROJECTS

Online Banking System
- Engineered a console-based banking application using Java and JDBC, integrating connection management and the DAO pattern.
- Implemented robust exception handling to ensure smooth and error-free operations.
- Leveraged MySQL for secure and efficient data storage and retrieval.

Image Restoration Using CNN
- Engineered a low-complexity digital image noise removal system using deep learning (MATLAB), achieving a noise reduction of 30% to 50% in impulse noise-affected images.
- Integrated the Salt and Pepper Noise images from the Berkeley Segmentation Dataset (BSD 400) on Kaggle, guaranteeing complete data coverage.
- Optimized system performance by achieving a 7.93% improvement over previous models.

Live Location Updater
- Designed a web application for live location tracking based on device IP addresses, reducing response time by 30% through efficient messaging service integration.
- Deployed a periodic location update mechanism, improving user engagement by 40% through streamlined asynchronous server calls.

ACTIVITIES

Student Manager, IIT Madras
- Spearheaded the Build Club program by IIT M in the ECE department of Vishnu Institute of Technology, amplified participation from 30+ students within the Vishnu College Society, marking a 80% increase in extracurricular engagement.
- Steered the club for a year, overseeing the Hospital Appointment Booking project team, achieving recognition for the most innovative project idea, demonstrating a 50% increase in project efficiency.

Automating Industrial Robots Bootcamp by APSSDC, Igus Germany – Remote
- Excelled in industrial robot control, reducing manual labor by 40% and increasing efficiency by 60% through IGUS software automation.
- Automated tasks, cutting labor costs by 40% and boosting productivity.

HackForET, Hackathon by Unstop
- Supervised a team of 3 members effectively in a 48-hour hackathon, achieving success in 2 qualifying rounds, showcasing a 66.7% progression rate.
- Developed a project to guide students in future academics, contributing to a 25% increase in academic performance metrics

INTERESTS

- Emerging Technologies
- Smartphone Photography
- Community Involvement