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 LinkedIn Profile

 GitHub Profile

EDUCATION

Bachelor of Technology in Computer Science and Engineering

2020-2024

Velagapudi Ramakrishna Siddhartha Engineering College, Vijayawada.

CGPA: 8.90

EXPERIENCE

System Engineer

June 2024 - Present

Tata Consultancy Services

Mumbai

- Engaged in a critical SBI project focused on deposits, utilizing COBOL, UNIX, and SQL to develop and optimize backend systems, contributing to a 30% reduction in processing time for deposit transactions.

Intern

Dec 2023 - May 2024

LDU Business Services

Remote

- Collaborated with a team of five to streamline the SAP project by identifying key process bottlenecks, resulting in enhanced project efficiency.
- Implemented Python to manipulate and analyze over 10,000 records from vendor, customer, and product tables, resulting in a 25% improvement in data processing efficiency.

PROJECTS

Boundary Regularization of Urban Buildings using Mask Region Convolutional Neural Networks.

2024

- Applied Mask R-CNN for deep learning-driven image segmentation, achieving an impressive 92% accuracy in identifying and segmenting complex urban landscapes across 250+ images.
- Updated GIS maps to detect and classify changes in urban areas, successfully identifying over 150 new, demolished, and unchanged buildings, improving urban planning accuracy.
- Employed Deep Learning (Mask R-CNN), Image Processing, and Unit Testing to improve urban planning accuracy.

Elegant Tech Portfolio.

2023

- Developed a responsive personal website that showcases 10+ professional skills and 3 completed projects, aimed at enhancing user engagement and experience.
- Increased user engagement by 30% through intuitive design and optimized navigation.
- Leveraged HTML, CSS, and JavaScript to create responsive, user-friendly web application.

Estimation of Rainfall from satellite cloud images.

2022

- Analyzed satellite image data using image processing techniques to extract relevant features from 500+ satellite images, enhancing the accuracy of rainfall estimation.
- Developed a machine learning algorithm that achieved 85% accuracy in estimating rainfall based on processed satellite imagery, significantly improving forecasting capabilities.
- Utilized Image Processing, Machine Learning, and Python to improve rainfall estimation accuracy from satellite imagery.

TECHNICAL SKILLS AND INTERESTS

Languages: Python, Java, C, SQL, HTML, CSS, JavaScript, COBOL.

Database / Storage System: Oracle, MySQL.

Relevant Coursework: Data Structures & Algorithms, Database Management System, Object Oriented Programming, Cloud computing.

Tools/Platforms: Git, Linux.

CERTIFICATIONS

- PCAP - Programming Essentials in Python- Cisco Networking Academy.
- Database Foundations in Oracle.
- Cloud Foundations- AWS

ACHIEVEMENTS

- Secured a position in the top 20 at the Xiaomi Ode2Code 3.0 coding competition.
- Produced a peer-reviewed article named 'Rainfall Estimation from Satellite Images Using Cloud Classification,' available through DOI: 10.1109/NKCon56289.2022.10126540, providing actionable results derived directly impacting climate modeling efforts within academic communities.

POSITIONS OF RESPONSIBILITY

- Served as an Academic Support Volunteer for MAD NGO, teaching mathematics to 7 and 8 grade students.
- Led a team in the ELITE Department of CSE, mentoring members to showcase their technical skills.