SONI REDDY MARAM

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EDUCATION

National Chung Cheng University	Feb.2022 - July. 2024
M.Sc. in Electrical Engineering; GPA: 3.7	Chiayi, Taiwan
SV College of Engineering	July. 2018 - July. 2021
B.Tech in Computer Science and Engineering; CGPA: 7.6	Tirupati, India
St. Mary's Women's Engineering College	July.2015-April.2018
Technical Diploma in Computer Engineering; Per: 83.41	Guntur, India

EXPERIENCE

CodSoft	Aug. 2024 - Sep. 2024
Machine Learning Internship	India

- Development of Machine Learning-based Algorithms.
- Deployment of Machine Learning models for Various Detection Problems.

Research Assistant	Feb.2022 - July. 2024
Artificial intelligence and Robotics Lab, CCU	Taiwan

- I proposed a deep learning-based approach for anomaly detection in banks using FT-YOLOv8 and Channel-Wise Attention 3D-CNN.(Master's Thesis)
- Designed a Text-to-Image generative model using advanced deep learning techniques, such as GANs, to convert textual description into high quality visual representations.

Computer Science and Engineering	Aug.2019-July.2021
Mini and Major Projects, SVCE	India

- Developed a Hand Gesture Control Robot to be operated via hand gestures, utilizing sensor technology and programming to facilitate an intuitive interaction between humans and machines.
- Developed and executed a robust encryption framework utilizing the DES algorithm for data encryption and SHA-1 for integrity assurance. The triple DES and RSA algorithm for data encryption to hide, on the other hand, the SHA-1 algorithm to validate the integrity of data has a wide range of practicalities.(B.Tech Thesis)

Computer Engineering	Sep.2017-April.2018
Major Projects, SMWEC	India

- Developed and implemented a Hostel Management System to streamline student accommodations, including room allocation, fee management, and maintenance requests.(Diploma Thesis)

TECHNICAL SUMMARY

- **Programming Languages:** Python, C/C++,HTML/CSS, Javascript
- **Applications:** Image Classification, Object Detection, Image Captioning
- **Packages –** Pandas, NumPy, PyTorch, TensorFlow

LICENSES & CERTIFICATIONS

- Crash course on Python by Google.
- HTML & CSS by GUVI.
- Python Language Certification by CodeTantra.