



YASWANTH YARRA

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OBJECTIVE

A self-motivated and ambitious Computer Science and Engineering student looking for an opportunity to explore the career options in the IT sector and contribute the passion for critical thinking and innovation.

EDUCATIONAL QUALIFICATIONS

Bachelor of Technology in Computer Science and Engineering

CGPA: 9.66

Honors in AI-ML

CGPA: 9

Velagapudi Ramakrishna Siddhartha Engineering College

Dec 2020- Present

XII Science from CBSE Board

Percentage: 97.2

Kendriya Vidhyalaya Machilipatnam

Apr 2018 - March 2020

INTERNSHIPS

AICTE Cloud Virtual Intern

May 2023 - July 2023

AWS Academy

Remote

- Acquired hands-on experience in configuring AWS services such as EC2, S3, RDS, DynamoDB, CloudFormation and familiarity with cloud security best practices including IAM roles and policies.

Data Science Intern

Mar 2023 – Apr 2023

LetsGrowMore

Remote

- Developed and fine-tuned machine learning and deep learning models for predictive purposes like Stock Market prediction and recognition of handwritten digits.

PROJECTS

Facial Microexpression Synthesis using Generative Adversarial networks

July 2023- Present

Using GANs to create new microexpression samples to increase the dataset size in order to improve the classification accuracy of deep learning models.

Facial Micro-Expression Classification Through Hyperparameter Optimization of Convolutional Neural Network using Genetic Algorithm

Jan 2023 - May 2023

Achieved an improved accuracy of 89.24% in facial microexpression classification using CNN-GA hybrid model, which is 12.9% higher classification accuracy when compared to the standard CNN.

Doyen's Helping Hand (Android Mobile Application)

Sep 2022 - Dec 2022

Developed a mobile application using Android Studio that employs a Cosine Similarity based recommendation system to connect youngsters to the retired people.

Robotic Process Automation-based text-to-image retrieval system

Sep 2022 - Oct 2022

Created a text-to-image retrieval system to enhance memory recall with the assistance of RPA.

TECHNICAL SKILLS

- **Languages** : Python, Java, C, SQL
- **Front-End** : HTML, CSS, JavaScript, ReactJS
- **Relation Database** : MySQL
- **NoSQL databases** : MongoDB
- **Data structures** : Stacks, Queues, Linked Lists, Trees
- **AI-ML** : Natural Language Processing, CNN, ML models and Genetic Algorithms
- **Python Libraries** : NumPy, Pandas, Scikit-learn, TensorFlow and CV2

CERTIFICATIONS

- Programming essentials in c (CISCO)
- Programming essentials in python (CISCO)
- Cybersecurity Essentials (CISCO)
- The Fundamentals of SOC (Security Operations Center) certification offered by Palo Alto Networks
- Cisco CCNA-1
- AWS Academy Graduate - AWS Academy Cloud Foundations certification
- AWS Academy Graduate - AWS Academy Cloud Architecting certification
- Database Foundations in ORACLE Academy
- Computer Vision Kaggle certification

ACHIEVEMENTS

CURRICULAR

- Institute Rank 1: Consistently maintaining institute rank 1 among 1400+ students over the last 2.5 years at Velagapudi Ramakrishna Siddhartha Engineering College, Vijayawada.
- Presented paper titled "Dynamic Ranking of Personalized Recommendations using Cosine Similarity and User Ratings" at 2023 9th International Conference on Advanced Computing and Communication Systems.
- Secured global rank of 1427 in TCS CodeVita Season 10.
- Secured 66th rank in Codes of Cazo of Innovision 2021, conducted by NIT Rourkela.
- Participated in National Level Hackathon organised by SRM University Chennai.
- Won 1st prize in poster presentation, 2nd prize in coding and quiz in inter-college competitions.

EXTRACURRICULAR

- Stood 1st in the event MR Blitzkridge (personality) at PB Siddhartha Degree College and runner up in MR Samyak conducted by KL University Vijayawada.

PERSONAL DETAILS

- Languages known: English, Hindi, Telugu
- Strengths: self-motivation, communication skills, creativity, coding skills.
- Interests: Interacting with people, playing Chess and Badminton, listening to music and singing

POSTITIONS OF RESPONSIBILITY

- Chair of VRSEC Computer Society Student Chapter
- Academic Support Volunteer in Make A Difference

DECLARATION

I hereby declare that all the information mentioned above is free from errors to the best of my knowledge and I bear responsibility for any deviation from them at any later stage.