AMARTYA YALLA

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EDUCATION

SAN DIEGO STATE UNVERSITY

Master's in computational science Emphasis in Data Science   **2022 - 2024**

  Currently enrolled in the master's program with Data Science concentration

VELLORE INSTITUTE OF TECHNOLOGY

Bachelor of Technology, Computer Science   **Aug. 2020**

- Relevant Courses – Database management Systems, Data Structures and Algorithms, Data Virtualization, Network and Communication, Software Engineering, Java Programming, High Performance Computing

ACADEMIC PROJECTS

Anomaly based Intrusion Detection System through Machine Learning Algorithms
*Our work has been published in a Research Article in the **International Journal***

- We have successfully detected the intrusion in the transformation of data through Machine learning Algorithms such as Decision tree, SVM algorithm, KNN etc.

Air Quality Index Level Prediction Using Random Forest Algorithm on Cluster Computing of Spark
We have proposed a fast fine-grained AQI level conjecture procedure subject to the execution of sporadic woods computation on Spark. By using the bundle figuring of Apache Spark, executed a dispersed sporadic timberland count

- We coordinated the examinations on authentic meteorological data of Beijing. The results have exhibited that our proposed technique can get high regard both in Precision and Recall.

Facial Recognition Using Image Segmentation
We have developed a color-based skin classifier to segment human skin regions from other regions.

- The idea is to receive an input image and use the code to execute the output such that the resultant image segmentation of the input image consists of pixels that have components of skin(image) in them.

SKILLS

Core Concepts: Software Engineering (Process Models, Design), Database Management Systems.
Languages: Java, C, Python, Matlab
Web Programming: HTML, CSS, JavaScript, PHP
Database Applications: MySQL, Oracle cloud-DB, NoSQL

EXPERIENCE

- **Graduate Research Assistant**

  Currently working under Professor Luque on a Research Project under   **Jan.2023 - Present**

  San Diego State University Research Foundation:: https://www.luquelab.com/
- **Federal Bank of India**   **Nov. 2020 - Mar.2022**

  Worked as an Associate where my responsibilities include back-end operations.
- **Infalysis Solutions Pvt Ltd**   **Apr.2017-Aug.2017**

  Worked as an Intern for a project on cloud storage during summer break.

PUBLICATIONS AND CERTIFICATES

- Research work on a Machine Learning project has been published in **International Journal**   **Apr. 2020**
- Software Engineering project work has been recognized in The University publishing   **Apr. 2019**
- Oracle Cloud Infrastructure Foundations Associate certification from **Oracle corporation**   **Nov. 2021**
- Cloud Computing Applications: Big Data and Applications in the Cloud – Coursera   **Apr. 2019**
- Entrepreneurship: Developing the Opportunity – Coursera   **Jan. 2019**
- Secured **VIT merit scholarship**   **2016**