Hari Krishna Vinjam

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Education:

University of Houston	**Houston, TX, USA**

Master of Science | Computer Science | **GPA: 3.55/4**   Expected: May2024
Relevant coursework*: Cloud Computing · Digital Image Processing · Principles of Cyber Security

R.V.R & J.C College of Engineering	**Andhra Pradesh, INDIA**

Bachelor of Technology |Computer science and Engineering | **CGPA: 9/10**   Graduated**:** June 2022
Relevant coursework*: Data Structures and Algorithms · Machine Learning · Operating Systems · Computer Architecture · Data Engineering · Programming in JAVA · Database Management System · Web Technologies · Software Engineering

Projects:

- **Efficient Cloud storage in AWS using deduplication of files and Selective Compression**
  - Increased **S3 bucket** storage by deploying a **lambda function** that will delete duplicates files in a S3 bucket whenever a duplicate file is uploaded to S3 bucket.
  - Designed a **lambda function** that will be triggered periodically to compress files in **S3 bucket** that haven't been used for a long time.
- **Hand Written digit Recognition in AWS**
  - Deployed a Machine Learning **Model Endpoint** in AWS that can be accessed using an **API** to recognize hand written digit images.
  - Trained and deployed a **KNN** model using **Sagemaker** Service in AWS
- **Credit Card Fraud Detection using Machine Learning:**
  - The goal of this project is to detect whether a transaction is legitimate or fradulent. This project involves data preprocessing like removing null values, changing categorical data to numeric, treating **class imbalance problem**, normalizing data and splitting data for training and testing. Machine learning algorithms like **Random Forest**, SVM, Logistic Regression are used in this project.
  - In this project **K-fold cross validation** is used for training and testing the machine learning models.
  - Evaluators like accuracy, precision, recall, **confusion matrix** are used to evaluate the machine learning models.
- **Online Laundry Management System:**
  - Developed a **frontend website** from **scratch** that is used to store customer information like name, payment status, number of clothes, etc.
  - Used **Javascript, MySQL, XAMPP server, HTML, CSS** to develop this website.

Professional Experience:

Programmer Analyst Trainee (Internship), Cognizant, India	January 2022 – June 2022

- I have been trained on SQL, JAVA, Extract Transform Load (ETL) concepts and big data.
- Performed ETL operations using Informatica

Technical Skills & Certifications:

Knowledge Base: Python, Data Structures, AWS, APIs, Linux Commands, Machine Learning, JAVA, Object Oriented Programming, Version Control, C, Javascript, HTML, CSS, Microsoft Office
Certifications: Data analytics with python by IITR**,** Programming in JAVA by IITK**,** Certificate of Training in data science by Internshala, Programming foundations with Javascript, HTML ans CSS by Duke university

Accomplishments:

- Secured a third position in a coding contest called "INDOCTRINATION".