**Alavalapalli Vasanth Reddy**Hyderabad | 9848632189| alavalapallivasanthreddy@gmail.com

## Career Objective:

I aim to secure a stimulating role within a dynamic organization, contributing significantly to the growth of a forward-thinking company. I seek to leverage and enhance my analytical, research, and technical abilities, ensuring job fulfillment and unwavering dedication in my work.  
  
**Professional Summary:**I am a skilled professional with expertise in both data analysis and generative AI.As a data analyst,I specialize in extracting insights from data to drive business decisions,utilizing tools like **Python** and **SQL** in **generative AI**,I excel at Creating intelligent systems that produce creative content autonomously,using advanced techniques like GANs and VAEs .With a focus on clear communication and innovation,I thrive in dynamic environments where analytical rigor is valued.

## Technical Skills:

**Programming Languages:** Python, C,Java,Javascript,HTML

**Big Data:** HBase,Snowflake,Pyspark

**Databases:** SQL,HBase  
**Cloud Technologies:** AWS  
**Tools :** Git,Github &Bit bucket,Jira,Tableau,Power Bi,Ms Excel,Asana  
**Operating Systems:** Windows, Linux

## Education:

## **BE-CSE Sathyabama Institute Of Science & Technology** 2020-2024 7.89 **Non-Residential-Institute** 2018-2020 8.9 **Prathibha High School** 2017-2018 8.5

## Projects:

**Project Title:**Plagiarism Detection Using Machine Learning  
**Environment:** Machine Learning Algorithms SVM,RNN,CNN,Naive Bayes,Word Cloud Library,Streamlit app  
**Project Duration:**Oct-2023 to April-2024  
  
**Project Description:** A Plagiarism detection using machine learning can analyze text and identify instances where it has been copied from another source.It can detect various forms of plagiarism,including direct copying,paraphrasing,and summarizing.This helps ensure the originality of content and protects intellectual property.

**Responsibilities:  
•** My Responsibility in the project is to take the dataset from another source and checking the plagiarism from the sentences we took.  
•Implemented **SVM,CNN,RNN and Naive Bayes** algorithms for detection.  
•Integrated models into user-friendly **Streamlit app** and I do check weather the functions are running properly or not.  
•Managed threshold values for optimal detection performance having default value**(0.80)** where it gives minimal plagiarism detection.  
•By keeping value **0.10** threshold value it gives you the perfect plagiarism detection from the input we gave.

•Utilized the **word cloud** library to form the grid like structure of the two texts or it could be words.  
•Finally using word cloud library it gives you the main plagiarism report of **97.4%** accurate result.

**Project Title:** AWS-RDS Instances Using Python  
**Environment:AWS,Python,SQL Lambda2 ,RDS Instances**

**Project Duration:** Jan -2022 to June-2022  
  
**Project Description:**  In this project,we aim to leverage the power of Amazon Web Services and python programming to efficiently manage Relational Database Service instances.RDS is a managed database service provided by AWS,offering easy setup,scalability,and automated backups for various database engines such as **MYSQL,PostgreSQL, and Oracle**.  
Using Python,we will develop scripts and automation workflows to streamline the provisioning,configuration,monitoring,and maintenance of RDS instances.This will involve tasks such as creating new database instances,configuration security groups,setting up backups and snapshots,and monitoring performance metrics.

**Responsibilities:  
•AWS SDK Integration:**Using the AWS SDK for Python(Boto3)to interface with AWS services pro-grammatically,enabling,seamless management of RDS resources.  
**•Instance Provisioning:**Developing scripts to pro-grammatically provision new RDS instances with specified configurations,such as database engine,instance class,storage capacity and allocated resources.  
**•Security Configuration:**Implementing security best practices by managing security groups, access control lists **(ACLs)**, and database user permissions to ensure secure access to RDS instances.

•**Backup and Restore Automation:**Automating the setup of automated backups, snapshots, and point-in-time recovery for RDS instances to minimize data loss and ensure high availability.

•**Monitoring and Alerting:**Implementing monitoring solutions to track key performance metrics of RDS instances, such as **CPU utilization,** storage capacity, and latency, and setting up alerts for proactive issue detection and resolution.

•**Scaling and Performance Optimization:** Developing scripts to dynamically scale RDS instances based on workload demands and implementing performance optimization techniques to enhance database performance and efficiency.

•By leveraging **Python and AWS** services, this project aims to empower organizations to efficiently manage their RDS infrastructure, reduce operational overhead, and ensure the reliability and scalability of their database systems.

•RDS stands for **Amazon Relational Database Service.** It is a managed database service provided by Amazon Web Services (AWS) that simplifies the setup, operation, and scaling of relational databases in the cloud. RDS supports various database engines, including **MySQL, PostgreSQL, Oracle, SQL Server, and MariaDB**.

COURSES:  
•Prompt Engineer at BE10X  
•Git& Github at devtown  
•Python&SQL at Udemy  
•PowerBi at Skill Nation  
  
**Personal Details:  
Name:** Alavalapalli Vasanth Reddy **Father’s Name:** Alavalapalli Ramana Reddy

**Date of Birth:** April 16,2002  
**Languages Known:** English,Hindi & Telugu  
  
**Declaration:**I hereby declare that all the information mentioned above are true and correct to the best of my knowledge.   
   
 [Signature]

Alavalapalli Vasanth Reddy