DASARI VEERA RAGHAVULU

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Career Objective:

I'm Veera Raghavulu, studying at Bennett University, CSE Department (Core AI & ML) my motive is to build a challenging and rewarding career in Artificial Intelligence and Machine Learning, leveraging expertise in C++ and Python to develop intelligent solutions. Seeking opportunities to lead teams, work on cutting-edge AI/ML technologies, and contribute to innovative applications in data-driven decision-making and automation..

TECHNICAL SKILLS

Programme Languages : C++ , DSA ,Python

Development Tools : GitHub

Mechine Learning : Knowledge of machine learning algorithms and frameworks

Statistics and Mathematics : Strong foundation in statistics,probability, and linear algebra

Data Manipulation : Experience with data manipulation tools (Pandas, NumPy)

Big Data Technologies : databases like SQL and MYSQL

Data Visualization: Skills in tools like Matplotlib , Seaborn

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Projects Profile

Project #1 :

Title : **Dynamic AI Resume Analyzer**

Role : **Team Leader , Model Training ,Data Visualization ,Deployement**

Duration : **February 2025 - March 2025.**

Description:

Dynamic AI Resume Analyzer is an intelligent system designed to analyze, evaluate, and score resumes using advanced AI and Machine Learning techniques. It extracts key information, assesses candidate skills, matches job requirements, and provides insights to streamline the hiring process. With NLP-driven parsing and real-time recommendations, it helps recruiters make data-driven hiring decisions efficiently

Key Skills Demonstrated & challenges faced

Advanced AI & NLP Integration :

Implemented ML models, NLP techniques (BERT, transformers) for resume parsing, keyword extraction, and intelligent matching.

Efficient Data Processing & Optimization :

Handled unstructured resume formats (PDF, DOCX, images) using OCR and feature engineering while ensuring scalability and real-time processing**.**

Algorithm Development & Accuracy Improvement :

Designed ranking algorithms to enhance job-resume matching accuracy, minimizing bias in AI models.

Web & Cloud-Based Deployment :

Built an interactive UI using Flask/Django, integrated APIs, and deployed on AWS/GCP for seamless automation and accessibility**.**

Security & Compliance Handling :

Ensured data privacy with encryption, secure authentication, and compliance with industry standards to protect sensitive resume data.

Technologies Used

Backend (Server & Logic)

Flask : Web framework to handle requests
Python : Main programming language
Regex : Cleaning text data
PyPDF2, python-docx, textract : Extracting text from PDF, DOCX, and TXT resumes
pickle: Saving and loading ML models

Machine Learning (Resume Analysis)

Scikit-learn (sklearn) : Machine Learning models
TF-IDF Vectorization : Converting resume text into numerical data
Random Forest Classifier : Categorizing resumes & recommending jobs

Data Processing & Visualization

Pandas (pandas) : Handling datasets
Matplotlib & Seaborn : Data visualization

Storage & File Handling

CSV (pandas.read_csv) : Storing cleaned dataset
Flask File Upload : Handling multiple resume uploads

Project #2 :

Title : Student Performnace Analysis

Role : Team Leader , Model Training ,Data Visualization ,Deployement

Duration : January 2025 - February 2025

Description:

The **Student Performance Analysis** project aims to explore and predict student academic performance based on various factors such as gender, race/ethnicity, parental education, lunch type, and test preparation. Using **machine learning models**, we analyze patterns and identify key influences on student success.

Key Skills Demonstrated & Challenges Faced

Data Preprocessing & Analysis :

Cleaned, transformed, and visualized student performance data using Pandas, Seaborn, and Matplotlib to identify key trends.

Machine Learning Model Implementation:

Developed and compared regression models (Linear Regression, Random Forest, XGBoost, CatBoost) to predict student scores.

Feature Engineering & Optimization :

Applied One-Hot Encoding, feature importance analysis, and RandomizedSearchCV for model tuning and performance improvement.

Model Evaluation & Insights :

Assessed models using R^2 Score, MAE, and MSE, leveraging feature importance analysis to derive actionable insights.

Challenges & Solutions :

Addressed data imbalances, categorical variable encoding, and overfitting issues by implementing ensemble learning and cross-validation techniques**.**

LINKS

More Projects : Raghava-Portofolio

Linkedin : linkedin.com/in/veera-raghavulu-dasari-7b584428a

GitHub : https://github.com/Raghava44u?tab=repositories

EDUCATION

Bennett University| Computer Science & Engineering (core AI & ML) Greater Noida , UP / **2023 – 2027**

Current **GPA :** 9.54

Intermediate (XII) | mpc **2021 - 2023**

Cumulative **GPA :** 9.82

AP SSC Board (X)

Percentage **:** 97.5%

CERTIFICATES

Azure Ai Fundamentals Certified | Certificate

Coincent Langufy course | certificate