# **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

**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 R² 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**](https://raghava44u.github.io/portofolio/)

**Linkedin :** [**linkedin.com/in/veera-raghavulu-dasari-7b584428a**](https://www.linkedin.com/in/veera-raghavulu-dasari-7b584428a)

**GitHub :** [**https://github.com/Raghava44u?tab=repositories**](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**](https://www.linkedin.com/posts/veera-raghavulu-dasari-7b584428a_teamworkmakesthedreamwork-azureai-certifiedprofessional-activity-7193885942657544192-tzaX?utm_source=share&utm_medium=member_desktop&rcm=ACoAAEY_Y3kBFbiCUTVw74p2lBc8wZ-Kg3Jll-Y)

**Coincent Langufy course |** [**certificate**](https://www.linkedin.com/posts/veera-raghavulu-dasari-7b584428a_coincent-training-completion-activity-7177578802015862784-ZxTC?utm_source=share&utm_medium=member_desktop&rcm=ACoAAEY_Y3kBFbiCUTVw74p2lBc8wZ-Kg3Jll-Y)