
PROJECT TOPIC: Personality Prediction Using Resume

Group No.: 24

Project Group Members:

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About the Project: This system can be used in many business parts/areas that may require expert candidates. This system will reduce the workload of the (workers in general/hiring, training, and firing department). This system will help the (related to workers in general) to select the right candidate for the desired job profile, which in turn provide the expert (all the workers in a company or country) for the organization. Admin can easily shortlist a candidate based on their personality scores and select the appropriate candidate for a particular job profile. Using Natural Language Processing (NLP) can be defined as a process that enables a machine to become more like a human, because of this deeply cutting the distance between machines and humans. This system will focus not only on qualification and inexperience but also focuses on other important aspects, which are needed/demanded for a particular job position. Admin can store the data in excel sheet for further comparison and sorting of data.

Motivation: The Big Five Personality Traits model is based on findings from several independent researchers, and it dates back to the late 1950s. Lewis Goldberg, a researcher at the Oregon Research Institute, is credited with naming the model "The Big Five." It is now considered to be an accurate and respected personality scale, which is routinely used by businesses and in psychological research. Five Personality Traits Model measures five key dimensions of people's personalities: Openness, Conscientiousness, Extraversion/ Intraersion, Agreeableness, Natural Reactions

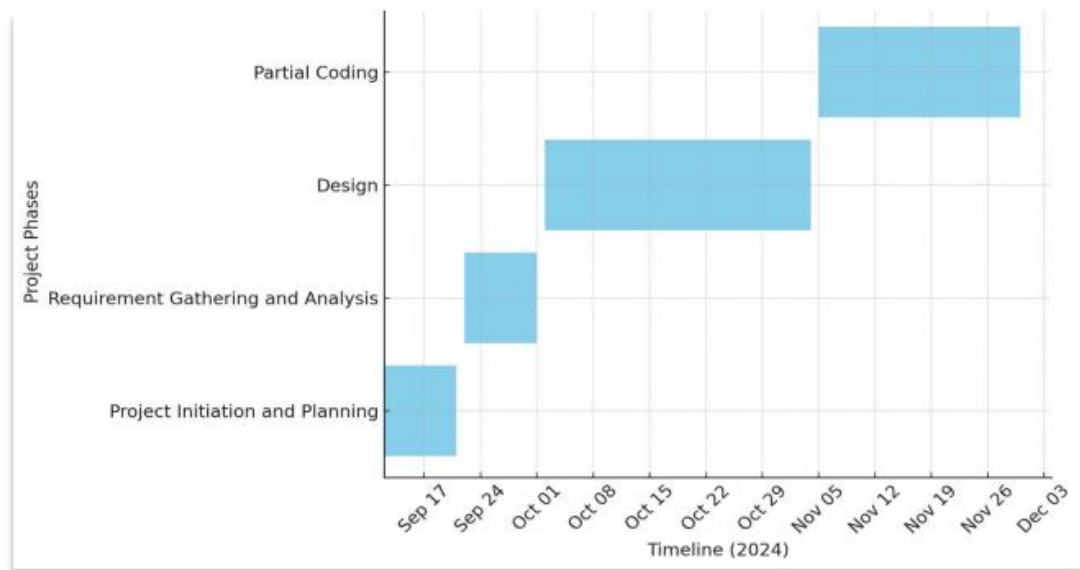
Innovation:

1. Train machine learning models on labeled datasets where resumes are annotated with known personality profiles.
2. Resumes often contain sections where candidates describe their career goals or personal statements.
3. Resume writing styles differ across cultures. To ensure accurate personality predictions, you could develop culturally sensitive algorithms that adapt to different resume styles and formats.

Project Planning: The development of the app is structured in two key phases:
Phase 1 Personality prediction system selects the right and suitable candidate required for desired job profile by grading the resume on certain criteria like experience, skills etc..

Phase 2 To ensure that a candidate that is selected will meet all desired personality traits required for a job.

Gantt Chart for Personality Prediction Using Resume



Tools required:

➤ **Hardware Requirements:**

- CPU: Dual-core processor
- RAM: 8 GB
- Networking: Reliable internet connection

➤ **Software Requirements:**

- Operating System: Windows, macOS, or Linux (Ubuntu)
- Programming Language: Python

Signature of Project Supervisor: _____